

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Tom Bratton</td><td>06/05/2007</td></tr><tr><td>Randy Koepsell</td><td>06/22/2007</td></tr><tr><td>Tom Olsen</td><td>06/22/2007</td></tr><tr><td>Adam Donald</td><td>06/05/2007</td></tr></tbody></table>	Name	Execution Date	Tom Bratton	06/05/2007	Randy Koepsell	06/22/2007	Tom Olsen	06/22/2007	Adam Donald	06/05/2007	
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Tom Olsen	06/22/2007										
Adam Donald	06/05/2007										
RECEIVING PARTY DATA											
Name:	Schlumberger Technology Corporation										
Street Address:	5599 San Felipe, Suite 1700										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77056										
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>11818411</td></tr></tbody></table>	Property Type	Number	Application Number:	11818411							
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Application Number:	11818411										
CORRESPONDENCE DATA											
Fax Number:	(713)228-8778										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	713-228-8600										
Email:	mcfadden@oshaliang.com										
Correspondent Name:	Robert P. Lord										
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ATTORNEY DOCKET NUMBER:	9469.098001										
NAME OF SUBMITTER:	Robert P. Lord										
Total Attachments: 8 source=09469098001Assn#page1.tif											

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ASSIGNMENT

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

Tom Bratton, citizen of the United States of America, whose post office address is 7 Mountain Oak, Littleton, Colorado 80127; and

Randy Koepsell, citizen of the United States of America, whose post office address is 2317 Wynterbrook Drive, Highlands Ranch, Colorado 80126; and

Tom Olsen, citizen of the United States of America, whose post office address is 16509 Amberstone Way, Parker, Colorado 80134; and

Adam Donald, citizen of Canada, whose post office address is 5350 Wangaratta Way, Highlands Ranch, Colorado 80130;

Has/have invented certain new and useful improvements in

METHOD FOR DESIGNING AND OPTIMIZING DRILLING AND COMPLETION OPERATIONS IN HYDROCARBON RESERVOIRS

as described and set forth in an application for Letters Patent of the United States of America, executed by me/us on June, 14, 2007 (Docket No. 110.0122).

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, **Tom Bratton**, have hereunto set my hand and seal
this 5 day of JUNE, 2007.

Tom Bratton
(Signature of Tom Bratton)

State of Colorado

County of Arapahoe

BEFORE ME this 5th day of June, 2007,
personally appeared **Tom Bratton**, 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.

Christine J. Wilson
Notary Public



SEAL

IN WITNESS WHEREOF, I, **Randy Koepsell**, have hereunto set my hand and seal this 22 day of June, 2007.

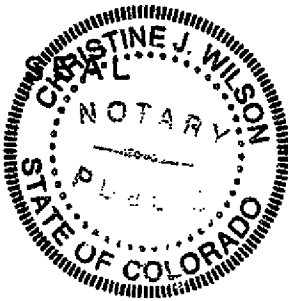
Randy Koepsell
(Signature of Randy Koepsell)

State of Colorado

County of Arapahoe

BEFORE ME this 22nd day of June, 2007,
personally appeared **Randy Koepsell**, 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.

Christine J. Wilson
Notary Public



IN WITNESS WHEREOF, I, **Thomas N Olsen**, have hereunto set my hand and seal this 22 day of June, 2007.

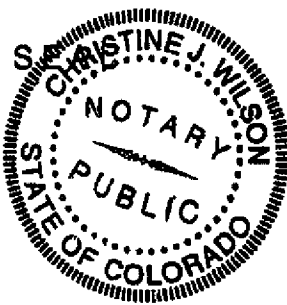

(Signature of Thomas N Olsen)

State of Colorado

County of Arapahoe

BEFORE ME this 22nd day of June, 2007,
personally appeared **Thomas N Olsen**, 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



IN WITNESS WHEREOF, I, **Adam Donald**, have hereunto set my hand and seal
this 5 day of JUNE, 2007.

Adam Donald
(Signature of Adam Donald)

State of Colorado

County of Arapahoe

BEFORE ME this 5th day of June, 2007,
personally appeared **Adam Donald**, 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.

Christine J. Wilson
Notary Public



SEAL

SCHEDULE "A"

Schlumberger Technology Corporation, a corporation organized and existing under and by the laws of the State of Texas, having a business address at:

5599 San Felipe, Suite 1700
Houston, Texas, 77056, U.S.A.

as assignee for **the United States of America**

Schlumberger Canada Limited, a corporation organized and existing under and by the laws of Canada having a business address at:

525- 3rd Avenue S.W.
Calgary Alberta
Canada T2P 0G4

as assignee for **Canada**.

Services Petroliers Schlumberger, a corporation organized and existing under and by the laws of France, having a business address at:

41 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 **Bahrain, Japan, Kuwait, Netherlands, Netherlands Antilles, Oman, Qatar, Saudi Arabia, United Kingdom and United Arab Emirates**

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, Armenia, Australia, Azerbaijan, Belarus, Brunei, Bulgaria, Chad, Colombia, Czech Republic, Denmark, Equatorial Guinea, Faroe Islands, Germany, Greece, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Korea, Kyrgyzstan, Lithuania, Malaysia, Mexico, Moldova, Myanmar, New Zealand, Norway, Pakistan, Poland, Romania, Russian Federation, Slovakia, Slovenia, South Africa, Tajikistan, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Uzbekistan and Venezuela.**

PRAD Research and Development Limited, a corporation duly organized, incorporated and existing under the laws of the Netherlands Antilles and having a place of business at P.O. Box 71, Craigmuir Chambers, Road Town, Tortola BVI

as assignee for **all other countries not designated above**