

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Evgeny Barmatov</td> <td>08/18/2009</td> </tr> <tr> <td>Jill Geddes</td> <td>08/19/2009</td> </tr> <tr> <td>Trevor Hughes</td> <td>10/01/2009</td> </tr> <tr> <td>Dean Willberg</td> <td>09/25/2009</td> </tr> <tr> <td>Bruce Mackay</td> <td>08/18/2009</td> </tr> </tbody> </table>		Name	Execution Date	Evgeny Barmatov	08/18/2009	Jill Geddes	08/19/2009	Trevor Hughes	10/01/2009	Dean Willberg	09/25/2009	Bruce Mackay	08/18/2009
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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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CORRESPONDENCE DATA													
<p>Fax Number: (617)768-2402 <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:	57.0907 US NP												
NAME OF SUBMITTER:	James McAleenan												

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Total Attachments: 8

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Assignment

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

Evgeny Barmatov, a citizen of Russia, residing at 63 Highworth Avenue, Cambridge CB4 2BQ, UK;

Jill Geddes, a citizen of the United Kingdom, residing at 125 St. Matthews Gardens, Cambridge CB1 2PS, UK;

Trevor Hughes, a citizen of the United Kingdom, residing at 5 St. Margaret's Square, Cambridge CB1 8AP, UK;

Dean Willberg, a citizen of Canada, residing at 10548 East Cerulean Way, Tucson, AZ 85747, US; and

Bruce Mackay, a citizen of Canada, residing at 1527 Nails Creek Drive, Sugar Land, TX 77478, US.

Has/have invented certain new and useful improvements in

MANIPULATION OF FLOW UNDERGROUND

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 August 11, 2009, Serial No. 12/539,051 (Docket No. 57.0907 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, **Evgeny Barmatov**, have hereunto set my hand and seal this
18 day of August, 2009.


(Signature of Inventor)

WITNESSED:

BE IT KNOWN, that **Evgeny Barmatov** is known to us to be the individual described in this assignment, that on this 18th day of August, 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.

Michael Fard
First Witness (Signature)

26 Sherwood Avenue
St Albans
England AL4 9QL
Post Office Address

Anna Bruce
Second Witness (Signature)
94 Columbine Road, Ely,
Cambridgeshire CB6 3WN
United Kingdom
Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Jill Geddes**, have hereunto set my hand and seal this
19 day of AUGUST, 2009.

Jill F Geddes

(Signature of Inventor)

WITNESSED:

BE IT KNOWN, that **Jill Geddes** is known to us to be the individual described in
this assignment, that on this 19 day of August, 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.

Ludmila Jones
First Witness (Signature)

Arma Bruce
Second Witness (Signature)

13 Castle Walk, Lower
Street, Stansted, Essex

94 Columbine Road, Ely,
Cambridgeshire CB6 3WN

CM24 8LY, United Kingdom
Post Office Address

United Kingdom
Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Trevor Hughes**, have hereunto set my hand and seal this
1st day of October, 2009.


(Signature of Inventor)

WITNESSED:

BE IT KNOWN, that **Trevor Hughes** is known to us to be the individual described in this assignment, that on this 1 day of October, 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)

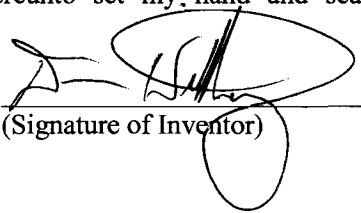
Flat 11, 1a Station Rd
Cambridge, CB1 2JB,
UK
Post Office Address


Second Witness (Signature)

13 Castle Walk, lower
Street, Stansted, Essex
CM24 8LY, United Kingdom
Post Office Address

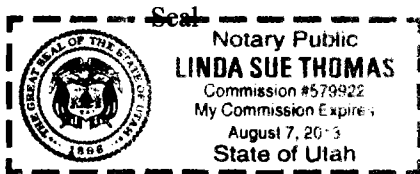
WITNESSED:

IN WITNESS WHEREOF I, **Dean Willberg**, have hereunto set my hand and seal this
25 day of September, 2009.


(Signature of Inventor)

STATE OF Utah)
COUNTY OF Salt Lake)

On this 25 day of September, 2009, before me, the undersigned
Notary Public, personally appeared, **Dean Willberg**, proved to me through satisfactory evidence
of identification, which were Permanent Resident card, to be the person
who signed the preceding or attached document in my presence, and who swore or affirmed to
me that the contents of the document are truthful and accurate to the best of his/her knowledge
and belief.




Notary Public

WITNESSED:

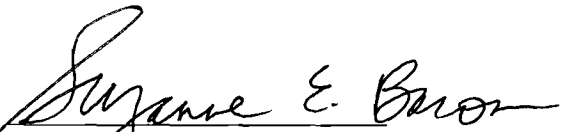
IN WITNESS WHEREOF I, **Bruce Mackay**, have hereunto set my hand and seal this
18th day of AUGUST, 2009.

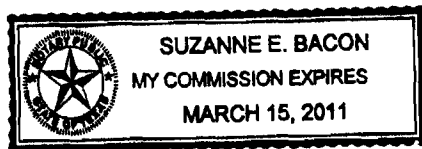

(Signature of Inventor)

STATE OF TEXAS)
)
COUNTY OF FORT BEND)

On this 18th day of August, 2009, before me, the undersigned
Notary Public, personally appeared, **Bruce Mackay**, proved to me through satisfactory evidence
of identification, which were Driver's License # 24667534, to be the person
who signed the preceding or attached document in my presence, and who swore or affirmed to
me that the contents of the document are truthful and accurate to the best of his/her knowledge
and belief.

Seal


Notary Public



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