

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Hitoshi Onda</td> <td>03/15/2012</td> </tr> <tr> <td>Utpal Ganguly</td> <td>02/27/2012</td> </tr> <tr> <td>Xiaowei Weng</td> <td>03/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hitoshi Onda	03/15/2012	Utpal Ganguly	02/27/2012	Xiaowei Weng	03/15/2012
Name	Execution Date								
Hitoshi Onda	03/15/2012								
Utpal Ganguly	02/27/2012								
Xiaowei Weng	03/15/2012								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13338732</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13338732				
Property Type	Number								
Application Number:	13338732								
CORRESPONDENCE DATA									
Fax Number:	(713)689-2219								
Phone:	713 689 2273								
Email:	pmohan@slb.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	SCHLUMBERGER TECHNOLOGY CORPORATION								
Address Line 1:	10001 Richmond Avenue								
Address Line 2:	IP Administration Center of Excellence								
Address Line 4:	Houston, TEXAS 77042								
ATTORNEY DOCKET NUMBER:	IS10.1054-US-CIP								
NAME OF SUBMITTER:	Pushpa Mohan								
Total Attachments: 6									

CH \$40.00 13338732

source=IS101054USCIP_20120330_Assignment-SIGNED#page1.tif
source=IS101054USCIP_20120330_Assignment-SIGNED#page2.tif
source=IS101054USCIP_20120330_Assignment-SIGNED#page3.tif
source=IS101054USCIP_20120330_Assignment-SIGNED#page4.tif
source=IS101054USCIP_20120330_Assignment-SIGNED#page5.tif
source=IS101054USCIP_20120330_Assignment-SIGNED#page6.tif

Assignment

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

Hitoshi Onda, a citizen of Japan, residing at 14906 Kimberley Ln., Houston, Texas 77079;

Utpal Ganguly, a citizen of the United States of America, residing at 4815 Scot Ct., Sugar Land, Texas 77479;

and

Xiaowei Weng, a citizen of the United States of America, residing at 22318 David's Crest Court, Katy, Texas 77450;

Has/have invented certain new and useful improvements in

SYSTEM AND METHOD FOR PERFORMING DOWNHOLE STIMULATION OPERATIONS

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 28, 2011, Serial No. 13/338732, (Docket No.IS10.1054-US-CIP). This assignment is effective as of December 28, 2011.

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, **Hitoshi Onda**, have hereunto set my hand and seal this 15th day of March, 2012.

H. Onda
(signature of Inventor)

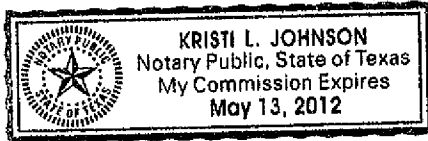
STATE OF TEXAS

COUNTY OF Harris


BEFORE ME this 15 day of MARCH, 2012 personally appeared **Hitoshi Onda**, 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

Kristi L. Johnson
Notary Public



IN WITNESS WHEREOF I, **Utpal Ganguly**, have hereunto set my hand and seal this 27 day of FEBRUARY, 2012.

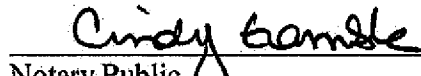

(signature of Inventor)

STATE OF TEXAS

COUNTY OF Fort Bend

BEFORE ME this 27th day of February, 2012 personally appeared **Utpal Ganguly**, 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, **Xiaowei Weng**, have hereunto set my hand and seal this 15th day of March, 2012.

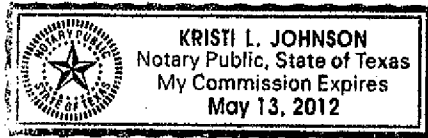
Xiaowei Weng
(signature of Inventor)

STATE OF TEXAS

COUNTY OF Fort Bend

BEFORE ME this 15 day of MARCH, 2012, personally appeared **Xiaowei Weng**, 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



Kristi L. Johnson
Notary Public

Schedule A
"COMPANIES"

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: United States of America

Located at: 300 Schlumberger Drive, Sugar Land, Texas 77478 U.S.A.

Assignee for applications in: United States of America

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

Located at: 525-3rd Avenue S.W., Calgary, Alberta, Canada T2P 0G4

Assignee for applications in: Canada

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

Located at: 42 rue Saint Dominique, 75007 Paris, France

Assignee for applications in: France

SCHLUMBERGER HOLDINGS LIMITED

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Japan, The Netherlands, Netherlands Antilles, United Kingdom, Saudi Arabia

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, Azerbaijan, Brunei, Bulgaria, Chad, Colombia, Czech Republic, Denmark, Equatorial Guinea, Faroe Islands, Germany, Greece, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Korea, Kuwait, Lithuania, Malaysia, Mexico, Myanmar, New Zealand, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Slovakia, Slovenia, South Africa, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Uzbekistan, and Venezuela

PRAD RESEARCH AND DEVELOPMENT LIMITED

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Eurasia, Gulf Cooperation Council, and Countries not otherwise listed.