

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>SANDEEP VERMA</td> <td>01/10/2012</td> </tr> <tr> <td>JOHN G. BRISSON</td> <td>01/11/2012</td> </tr> <tr> <td>ERIC L. STABINSKI</td> <td>12/08/2011</td> </tr> <tr> <td>QUINCY K. ELIAS</td> <td>12/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	SANDEEP VERMA	01/10/2012	JOHN G. BRISSON	01/11/2012	ERIC L. STABINSKI	12/08/2011	QUINCY K. ELIAS	12/15/2011
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QUINCY K. ELIAS	12/15/2011										
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>13298123</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13298123						
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Application Number:	13298123										
CORRESPONDENCE DATA											
Fax Number:	(713)689-2219										
Phone:	7136892273										
Email:	qmarques@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:	60.1995-US-NP										
NAME OF SUBMITTER:	Rachel E. Greene										

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Total Attachments: 7

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Assignment

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

Sandeep Verma, a citizen of the United States of America, residing at 44 Canterbury Hill Road, Acton, MA 01720, United States;

John G. Brisson, a citizen of the United States of America, residing at 27 Parker Street, Rockport, MA 01966, United States;

Eric L. Stabinski, a citizen of the United States of America, residing at 152 Harvard Street, Apt. #6, Brookline, MA 02445, United States; and

Quincy K. Elias, a citizen of the United States of America, residing at 32 Oakwood Street, Mattapan, MA 02126, United States.

Has/have invented certain new and useful improvements in

METHOD FOR ACTIVE COOLING OF DOWNHOLE TOOLS USING THE VAPOR COMPRESSION CYCLE

as described and set forth in a United States Provisional Patent Application filed on **November 19, 2010** under Serial Number **61/415540**, and an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on **November 16, 2011**, Serial No. **13/298123** (Docket No. **60.1995-US-NP**). **This assignment is effective as of November 19, 2010.**

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 TESTIMONY WHEREOF, I have duly executed this Assignment on this 10 day of January, 2012.


Sandeep Verma
Name: Sandeep Verma

COMMONWEALTH OF MASSACHUSETTS)
)
COUNTY OF MIDDLESEX)

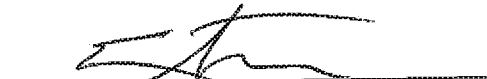
On this 10 day of January, 2012, before me, the undersigned Notary Public, personally appeared, **Sandeep Verma**, proved to me through satisfactory evidence of identification, which were personally known to me, to be the person who signed the preceding or attached document in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Seal

Susan F. Fernandez
Notary Public

 SUSANNAH F. FERNANDEZ
Notary Public
Commonwealth of Massachusetts
My Commission Expires
February 11, 2016

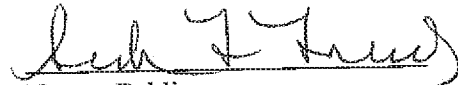
IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 8 day of December, 2011.



Name: Eric L. Stabinski

COMMONWEALTH OF MASSACHUSETTS)
)
COUNTY OF MIDDLESEX)

On this 8 day of December, 2011, before me, the undersigned Notary Public, personally appeared, Eric L. Stabinski, proved to me through satisfactory evidence of identification, which were personally known to me, 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

 SUSANNAH F. FERNANDEZ
Notary Public
Commonwealth of Massachusetts
My Commission Expires
February 11, 2016

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 15th day of December, 2011.

Quincy K. Elias
Name: Quincy K. Elias

COMMONWEALTH OF MASSACHUSETTS)
)
COUNTY OF MIDDLESEX)

On this 15 day of December, 2011, before me, the undersigned Notary Public, personally appeared, **Quincy K. Elias**, proved to me through satisfactory evidence of identification, which were personally known to me, 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

Susannah E. Fernandez
Notary Public



SUSANNAH E. FERNANDEZ
Notary Public
Commonwealth of Massachusetts
My Commission Expires
February 11, 2016

Schedule A

“COMPANIES”

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: United States of America

Located at: 200 Gillingham Lane, MD1, Sugar Land, Texas 77478 USA (SKK)

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.