

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mitchel Stretch	07/19/2012
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	
Property Type	Number
Application Number:	13280056
CORRESPONDENCE DATA	
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<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 Center of Excellence
Address Line 4:	Houston, TEXAS 77042
ATTORNEY DOCKET NUMBER:	IS10.0740-US-NP
NAME OF SUBMITTER:	Leslie Goldsmith
Total Attachments: 4 source=IS100740USNP_20120109_Assignment#page1.tif source=IS100740USNP_20120109_Assignment#page2.tif source=IS100740USNP_20120109_Assignment#page3.tif source=IS100740USNP_20120109_Assignment#page4.tif	

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Assignment

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

Mitchel Stretch, a citizen of Canada, residing at 723-3 Avenue, NW, Apt 306, Calgary, Alberta T2N 0J3, Canada;

Has invented certain new and useful improvements in

THERMAL RATCHET SYSTEM

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 month day, year, Application No. 13/280,056, (Docket No. IS10.0740-US-NP).

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 Inventor, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has sold, assigned, transferred and conveyed, and by this assignment does 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.

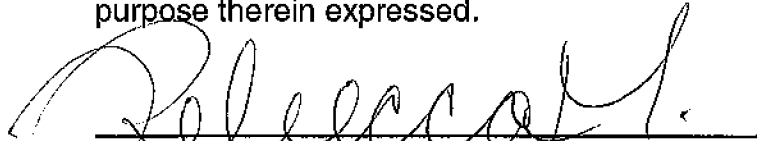
AND said Inventor does hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said **COMPANIES**, their successors and assigns, as the assignee of the entire right, title and interest in and to the same,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

AND said Inventor does hereby covenant and warrant that said Inventor has full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that said Inventor has not executed and will not execute any instruments in conflict herewith.

AND said Inventor, for the conditions aforesaid, does 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.

Sworn before me at the City of ^{by Calgary} Edmonton,)
Province of Alberta, this 19 day of July,)
2012, personally appeared **Mitchel Stretch**,)
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.)

IN WITNESS WHEREOF, I **Mitchel Stretch** have hereunto executed the said Assignment this 19 day of July, 2012



Commissioner for Oaths in /and for the
Province of Alberta, Canada



MITCHEL STRETCH

Rebecca S. Moeller
Commissioner for Oaths
#0731824
Expiry July 26, 2014.

**Schedule A
"COMPANIES"**

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: United States of America (Texas)

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 (Ontario)

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, Netherlands, Netherlands Antilles, 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, Austria, Azerbaijan, Brunei, Bulgaria, Chile, Colombia, Croatia, Cypress, Czech Republic, Denmark, Egypt, Equatorial Guinea, Falkland Islands, Faroe Islands, Georgia, Germany, Greece, Greenland, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Kenya, Korea, Kuwait, Lithuania, Madagascar, Malaysia, Mexico, New Zealand, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, South Africa, Suriname, Switzerland, Tanzania, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, Uruguay, Uzbekistan, Venezuela

PRAD RESEARCH AND DEVELOPMENT LIMITED

Corporation of: the 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