

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN RICHARD TULETT	12/22/2011
RECEIVING PARTY DATA	
Name:	Schlumberger Technology Corporation
Street Address:	200 Gillingham Lane, MD1
City:	Sugar Land
State/Country:	TEXAS
Postal Code:	77478
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13334063
CORRESPONDENCE DATA	
Fax Number:	(713)689-6372
Phone:	81427595321
Email:	kawashima1@exchange.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 - COE
Address Line 1:	WesternGeco 10001 Richmond Ave.
Address Line 2:	Room 3028
Address Line 4:	Houston, TEXAS 77042
ATTORNEY DOCKET NUMBER:	IS10.0932 US ASSIGNMENT
NAME OF SUBMITTER:	Setsuko Kawashima
Total Attachments: 4 source=IS100932US_Assignment#page1.tif source=IS100932US_Assignment#page2.tif source=IS100932US_Assignment#page3.tif source=IS100932US_Assignment#page4.tif	

CH \$40.00 13334063

ASSIGNMENT

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

**John Richard Tulett**, a citizen of Canada, residing at 3-16-1 Shinohara Higashi, Kohoku-Ku, Yokohama-Shi, Kanagawa-ken 222-0022 Japan

Has/have invented certain new and useful improvements in

**FACILITATING OPERATION OF A SEISMIC SOURCE**

as described and set forth in an application for Letters Patent of the United States of America, filed on December 22, 2011 under Attorney Docket No. IS10.0932 US assigned serial # 13/334,063. **This assignment is effective as of December 22, 2011.**

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.

SCHEDULE A  
"COMPANIES"

***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, Ukraine, Uzbekistan, Venezuela

***PRAD RESEARCH AND DEVELOPMENT LIMITED***

Corporation of: British Virgin Islands

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

Assignee for applications in: the GCC Patent Office and Every country not specified

***SCHLUMBERGER CANADA LIMITED***

Corporation of: Canada

Located at: 525-3<sup>rd</sup> Avenue S.W., Calgary, Alberta, CA T2P 0G4

Assignee for applications in: Canada

***SCHLUMBERGER HOLDINGS LIMITED***

Corporation of: the Netherlands

Located at: PO Box 71, Craigmuir Chambers, Road Town, Tortola, BVI

Assignee for applications in: Great Britain, Japan, The Netherlands, The Netherlands Antilles, Saudi Arabia

***SCHLUMBERGER TECHNOLOGY CORPORATION***

Corporation of: USA

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

Assignee for applications in: United States of America

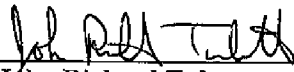
***SERVICES PETROLIERS SCHLUMBERGER***

Corporation of: France

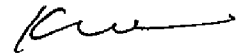
Located at: 42 rue Saint Dominique, 75007 Paris, FR


Assignee for applications in: France

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 22 day of  
December, 2011.

  
Name: John Richard Tulett

Witnesses:

Signature   
Name: Setsuko Kawashima Date: December 22 '11  
Address: 5-3-25 Tamagawa-Gakuen  
Machida-shi, Tokyo  
194-0041 Japan

Signature   
Name: Rira Tanaka Date: December 22, '11  
Address: 3-20-9-313 Nishi-Ikuta, Tama-ku,  
Kawasaki-shi, Kanagawa-ken  
214-0037 Japan