PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Schlumberger Technology Corporation	04/22/2009

RECEIVING PARTY DATA

Name:	WesternGeco L.L.C.		
Street Address:	10001 Richmond Ave		
Internal Address:	IP Dept- Jeff Griffin		
City:	Houston		
State/Country:	TEXAS		
Postal Code:	77042		

PROPERTY NUMBERS Total: 8

Property Type	Number
Application Number:	11554857
Application Number:	11466972
Application Number:	11379917
Application Number:	11163066
Application Number:	11953659
Application Number:	11315813
PCT Number:	US0770689
PCT Number:	US0770470

CORRESPONDENCE DATA

Fax Number: (713)689-1977

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 713-689-6265

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Correspondent Name: WesternGeco L.L.C.

Address Line 1: 10001 Richmond Ave

PATENT REEL: 022716 FRAME: 0634 H \$320,00 11554857

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Address Line 2: IP Dept- Jeff Griffin Address Line 4: Houston, TEXAS 77042			
ATTORNEY DOCKET NUMBER:	23-SERIES		
NAME OF SUBMITTER:	Liangang (Mark) Ye		
Total Attachments: 5 source=23-Series, 20090421, Signed LMG Assignment, STC et al to WGLLC, SCL, GTBV#page1.tif source=23-Series, 20090421, Signed LMG Assignment, STC et al to WGLLC, SCL, GTBV#page2.tif source=23-Series, 20090421, Signed LMG Assignment, STC et al to WGLLC, SCL, GTBV#page3.tif source=23-Series, 20090421, Signed LMG Assignment, STC et al to WGLLC, SCL, GTBV#page4.tif source=23-Series, 20090421, Signed LMG Assignment, STC et al to WGLLC, SCL, GTBV#page5.tif			

PATENT REEL: 022716 FRAME: 0635

ASSIGNMENT

This Assignment, effective on the date set out hereafter, between the parties listed below:

PRAD Research and Development Limited (formerly known as PRAD Research and Development N.V.), of De Ruyterkade 62, Willemstad, Curacao, Netherland Antilles (a Netherland Antilles company);

Schlumberger Canada Limited, of 525-3rd Avenue S.W., Calgary, Alberta, CA T2P 0G4 (a Canadian company);

Schlumberger Holdings Limited, of PO Box 71 Craigmuire Chambers, Roadtown, Tortola, British Virgin Islands (a British Virgin Islands company);

Schlumberger Technology Corporation, of 110 Schlumberger Drive, Sugar Land, TX 77478 US, (a US company);

Schlumberger Technology B.V., of Parkstraat 83-89, 2514 JG, The Hague, Netherlands (a Dutch company); and

Services Pétroliers Schlumberger, of 42, rue Saint Dominique, 75007 Paris, France (a French company);

(hereinafter called "the Assignors") of the one part

and

WesternGeco L. L. C., of 10001 Richmond Avenue, Houston, Texas 77042-4299, USA (a US company);

Schlumberger Canada Limited, of 525-3rd Avenue S.W., Calgary, Alberta, CA T2P 0G4 (a Canadian company);

Geco Technology B.V., of Gevers Deynootweg 61, 2586 BJ, s Gravenhage, Netherlands (a Dutch company),

(hereinafter called "the Assignees") of the other part

Whereas the Assignors are the applicants/owners for the Patent Applications in Schedule "A",

PATENT REEL: 022716 FRAME: 0636 NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that in receipt for good and sufficient consideration, the receipt of which is hereby acknowledged, the undersigned Assignors hereby assign to the Assignees all their rights, title, ownership, and interests in the Applications listed in Schedule "A", and in and to said inventions or improvements described by said applications, and in and to any existing or future applications, both of the United States and of all foreign countries, which derive priority rights from said applications, dependants, correspondents, and or continuation-in-part patents or applications, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefrom, together with all the rights of action, powers, privileges and immunities arising or accrued thereon free from all encumbrances, as outlined in Schedule "B".

The Assignees declare to accept the assignment in its terms.

The effective date of this assignment is January 1, 2009.

ASSIGNORS:

SIGNED by

Name:

Brian Stevens

Title: Attorney-in-Fact

on behalf of PRAD Research and Development Limited

SIGNED by

Name:

Brian Stevens

Title:

Attorney-in-Fact

on behalf of Schlumberger Canada Limited

SIGNED by

Name: Title:

Brian Stevens

Attorney-in-Fact

on behalf of Schlumberger Holdings Limited

on $\frac{21/04/2009}{000}$

on 21/04/2009

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SIGNED by

Name:

Liangang (Mark) Ye

Title:

Attorney-in-Fact

on behalf of Schlumberger Technology Corporation

SIGNED by

Name:

Brian Stevens

Title: Attorney-in-Fact

on behalf of Schlumberger Technology B.V.

SIGNED by

Name:

Brian Stevens

Title: Attorney-in-Fact

on behalf of Services Petroliers Schlumberger

on 22/04/2009

on 21/24/2009

on<u>21/04/2009</u>

ASSIGNEES:

SIGNED by

Name:

Liangang (Mark) Ye

Title: Attorney-in-Fact on behalf of WesternGeco L. L. C.

SIGNED by

Name:

Liangang (Mark) Ye

Title:

Attorney-in-Fact

on behalf of Schlumberger Canada Limited

SIGNED by

Name:

Liangang (Mark) Ye

Title: Attorney-in-Fact

on behalf of Geco Technology B.V.

on 22/04/2009

on 22/04/2009

on 22/04/2009

Schedule "A" "APPLICATIONS"

Docket Number	Type	Filing Date	Application No. (Patent No)
23.0665	us	01/NOV/2006	11/555373
23.0665	PCT	04/JUN/2007	PCT/US2007/070303
23.0668	US	02/NOV/2006	11/555935
23.0668	PCT	04/JUN/2007	PCT/US2007/070312
23.0671	US	31/OCT/2006	11/554857
23.0671	PCT	08/JUN/2007	PCT/US2007/070689
23.0673	US	24/AUG/2006	11/466972
23.0673	PCT	06/JUN/2007	PCT/US2007/070470
23.0674	us	12/OCT/2006	11/548905
23.0674	PCT	06/JUN/2007	PCT/US2007/070474
23.0659	US	24/APR/2006	11/379917 (7471089)
23.0661	US	04/OCT/2005	11/163066 (7411399)
23.0661	US-D	10/DEC/2007	11/953659
23.0658	US	22/DEC/2005	11/315813

PATENT REEL: 022716 FRAME: 0639 5 .

Schedule "B" COMPANIES

WESTERNGECO, L.L.C.

Corporation of: Delaware, USA

Located at: 10001 Richmond Avenue, Houston, Texas 77042-4299, USA

Assignee for applications in: The United States of America

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

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

Assignee for applications in: Canada

GECO TECHNOLOGY B.V.

Corporation of: The Netherlands

Located at: Gevers Deynootweg 61, 2586 BJ S Gravenhage, The Netherlands Assignee for applications in: Albania, Algeria, Angola, Argentina, Australia, Austria, Azerbaijan, Brazil, Brunci, Bulgaria, China, Colombia, Czech Republic, Denmark, Ecuador, Egypt, Eurasia, Europe, Faroe Islands, France, Germany, Greece, Gulf Cooperation Council, Hungary, India, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Korea, Kuwait, Lithuania, Malaysia, Mexico, The Netherlands, New Zealand, Nigeria, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Saudi Arabia, Singapore, Slovakia, Slovenia, South Africa, Spain, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Ukraine, United Arab Emirates, United Kingdom, Uzbekistan, Venezuela, Vietnam, and Rest of World

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RECORDED: 05/21/2009