

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment Reel 018957 / Frame 0428										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Johan O.A. Robertsson</td> <td>07/31/2006</td> </tr> <tr> <td>Dirk-Jan van Manen</td> <td>03/05/2007</td> </tr> <tr> <td>David Halliday</td> <td>07/12/2006</td> </tr> <tr> <td>Robert Laws</td> <td>07/12/2006</td> </tr> </tbody> </table>		Name	Execution Date	Johan O.A. Robertsson	07/31/2006	Dirk-Jan van Manen	03/05/2007	David Halliday	07/12/2006	Robert Laws	07/12/2006
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Dirk-Jan van Manen	03/05/2007										
David Halliday	07/12/2006										
Robert Laws	07/12/2006										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	WesternGeco, L.L.C.										
<b>Street Address:</b>	10001 Richmond Avenue										
<b>City:</b>	Houston										
<b>State/Country:</b>	TEXAS										
<b>Postal Code:</b>	77042										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11459441</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11459441						
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Application Number:	11459441										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(713)689-1977										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	713-689-2747										
<b>Email:</b>	rsmith31@slb.com										
<b>Correspondent Name:</b>	Rhonda J. Smith										
<b>Address Line 1:</b>	10001 Richmond Avenue										
<b>Address Line 4:</b>	Houston, TEXAS 77042										
<b>ATTORNEY DOCKET NUMBER:</b>	14.0283-US										
<b>NAME OF SUBMITTER:</b>	Liangang (Mark) Ye										
<b>Total Attachments: 14</b> source=14-0283-US-Executed-Assignment#page1.tif											

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<b>PATENT ASSIGNMENT</b>
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Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
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Dirk-Jan van Manen	03/05/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WesternGeco, L.L.C.
<b>Street Address:</b>	10001 Richmond Avenue
<b>City:</b>	Houston
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77042
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<b>Phone:</b>	713-689-2747
<b>Email:</b>	rsmith31@slb.com

<b>Correspondent Name:</b>	Rhonda J. Smith
<b>Address Line 1:</b>	10001 Richmond Avenue
<b>Address Line 4:</b>	Houston, TEXAS 77042
<b>ATTORNEY DOCKET NUMBER:</b>	14.0283-US
<b>NAME OF SUBMITTER:</b>	Liangang (Mark) Ye
<b>Signature:</b>	/Liangang (Mark) Ye/
<b>Date:</b>	03/05/2007
<b>Total Attachments: 8</b> source=14-0283-US-Executed-Assignment#page1.tif source=14-0283-US-Executed-Assignment#page2.tif source=14-0283-US-Executed-Assignment#page3.tif source=14-0283-US-Executed-Assignment#page4.tif source=14-0283-US-Executed-Assignment#page5.tif source=14-0283-US-Executed-Assignment#page6.tif source=14-0283-US-Executed-Assignment#page7.tif source=14-0283-US-Executed-Assignment#page8.tif	
<b>RECEIPT INFORMATION</b>  <b>EPAS ID:</b> PAT240889 <b>Receipt Date:</b> 03/05/2007 <b>Fee Amount:</b> \$40	

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**Assignment**

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

JOHAN O. A. ROBERTSSON, citizen of SWEDEN, residing at STASJONSVEIEN 8A, 0774 OSLO, NORWAY

*D.v.M.* DIRK-JAN VAN MANEN, citizen of THE NETHERLANDS, residing at ~~ST-EDMUNDSVEI 49B, 0280 OSLO, NORWAY~~ **FLAT 2, 2 ST. JOHNS TERRACE ROAD, RH1 6HS, REDHILL, UK.**

DAVID HALLIDAY, citizen of THE UNITED KINGDOM, residing at 7 SMIDDY BURN, KING'S BARN, FIFE KY16 8SN, SCOTLAND

ROBERT LAWS, citizen of \_\_\_\_\_, residing at 30 BECHE ROAD, CAMBRIDGE CB5 8HU, ENGLAND

Has/have invented certain new and useful improvements in

SEISMIC DATA ACQUISITION AND SOURCE-SIDE DERIVATIVES GENERATION AND APPLICATION

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 \_\_\_\_\_, Serial No. \_\_\_\_\_ (Docket No. 14.0283-US).

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,

**Assignment**

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

JOHAN O. A. ROBERTSSON, citizen of SWEDEN, residing at STASJONSVEIEN 8A, 0774 OSLO, NORWAY

DIRK-JAN VAN MANEN, citizen of THE NETHERLANDS, residing at ST. EDMUNDSVEI 49B, 0280 OSLO, NORWAY

*DKH*  
DAVID HALLIDAY, citizen of THE UNITED KINGDOM, residing at 7 SMIDDY BURN, ~~KING'S BARN~~, FIFE KY16 8SN, SCOTLAND, ~~UK~~.  
KINGS BARS

ROBERT LAWS, citizen of \_\_\_\_\_, residing at 30 BECHE ROAD, CAMBRIDGE CB5 8HU, ENGLAND

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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.

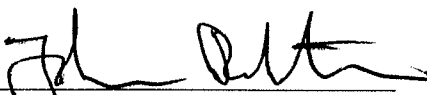
AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said **COMPANIES**, their successors and assigns, as the assignee of the entire right, title and interest in and to the same,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


WITNESSED:

IN WITNESS WHEREOF I, JOHAN O. A. ROBERTSSON, have hereunto set my hand and seal  
this 31<sup>st</sup> day of July, 2006.

  
\_\_\_\_\_  
(signature of Inventor)

BE IT KNOWN that JOHAN O. A. ROBERTSSON is to me known to be the individual  
described in the foregoing assignment, that on this 31<sup>st</sup> day of July, 2006, I  
was personally present and did see him sign and execute the foregoing assignment; and, that he  
did acknowledge to me that he executed the same as his free act and deed for the uses and  
purposes therein set forth.

  
\_\_\_\_\_  
Witness

  
\_\_\_\_\_  
Witness

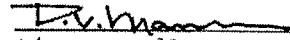
\_\_\_\_\_  
Luthaesplanaden 25  
752 25 Uppsala  
Sweden  
\_\_\_\_\_  
Post Office Address

\_\_\_\_\_  
N. GOUJON  
A. Grendahlsgt 10  
0678 OSLO  
NORWAY  
\_\_\_\_\_  
Post Office Address

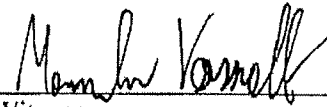


WITNESSED:

IN WITNESS WHEREOF I, DIRK-JAN VAN MANEN, have hereunto set my hand and seal  
this 5th day of March, ~~2006~~ 2007

  
(signature of Inventor)

BE IT KNOWN that DIRK-JAN VAN MANEN is to me known to be the individual described in  
the foregoing assignment, that on this 5th day of March, 2007, I was personally  
present and did see him sign and execute the foregoing assignment; and, that he did acknowledge  
to me that he executed the same as his free act and deed for the uses and purposes therein set  
forth.

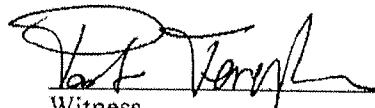
  
Witness

3 GOLDSMID ROAD

BN3 1QA

MOVE, UK

Post Office Address

  
Witness

935 PRESTON ROAD

(SHAWCROSS HOUSE - FL.31)

BRIGHTON BN1 6SW

UK.

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, DAVID HALLIDAY, have hereunto set my hand and seal this  
12<sup>th</sup> day of JULY, 2006.

David F Halliday  
(signature of Inventor)

BE IT KNOWN that DAVID HALLIDAY is to me known to be the individual described in the foregoing assignment, that on this 12<sup>th</sup> day of JULY, 2006, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

R. Mackintosh  
Witness

R. MACKINTOSH

61 LEARMOUTH COURT

EDINBURGH

EH4 1PD

Post Office Address

C. Graham  
Witness

C. GRAHAM

MORAY PARK HOUSE,

FINDHORN ROAD, FORRES

MORAY, IV36 3TP.

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, ROBERT LAWS, have hereunto set my hand and seal this  
12 day of July, 2006.

Robert Laws  
(signature of Inventor)

BE IT KNOWN that ROBERT LAWS is to me known to be the individual described in the foregoing assignment, that on this 12 day of July, 2006, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

[Signature]  
Witness

Everhard Muijzert  
48 Weavers Field  
Girton  
Cambridgeshire  
Post Office Address

[Signature]  
Witness

Daniel Raymer  
65 Covent Garden  
Willingham  
Cambridge CB4 5GD  
Post Office Address

**Schedule A**  
**“COMPANIES”**

**WESTERNGECO, L.L.C.**

Corporation of: Delaware, USA

Located at: 10001 Richmond Avenue, Houston, Texas USA

Assignee for applications in: The United States of America

**WESTERNGECO CANADA LIMITED**

Corporation of: Alberta, Canada

Located at: 237 – 4<sup>th</sup> Avenue Place, Calgary, Alberta, T2P 4X7 Canada

Assignee for applications in: Canada

**SERVICES PETROLIERS SCHLUMBERGER**

Corporation of: France

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

Assignee for applications in: France

**WESTERNGECO SEISMIC HOLDINGS, LTD.**

Corporation of: the British Virgin Islands

Located at: Citco Building, P.O. Box 662, Road Town, Tortola, British Virgin Islands

Assignee for applications in: All other countries