

## PATENT ASSIGNMENT

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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>ODA ROALDS DOTTER RAVNDAL</td> <td>05/03/2013</td> </tr> <tr> <td>JARLE HAUKAS</td> <td>05/03/2013</td> </tr> <tr> <td>BJORN HARALD FOTLAND</td> <td>05/06/2013</td> </tr> <tr> <td>LARS SONNELAND</td> <td>05/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	ODA ROALDS DOTTER RAVNDAL	05/03/2013	JARLE HAUKAS	05/03/2013	BJORN HARALD FOTLAND	05/06/2013	LARS SONNELAND	05/06/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>WesternGeco L.L.C.</td> </tr> <tr> <td>Street Address:</td> <td>10001 Richmond Avenue</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77042-4299</td> </tr> </table>		Name:	WesternGeco L.L.C.	Street Address:	10001 Richmond Avenue	City:	Houston	State/Country:	TEXAS	Postal Code:	77042-4299
Name:	WesternGeco L.L.C.										
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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>13752160</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13752160						
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CORRESPONDENCE DATA											
<p>Fax Number: 7136892219  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7136892273        Email: qmarques@slb.com</p> <p>Correspondent Name: WESTERNGECO L.L.C.        Address Line 1: 10001 Richmond Avenue        Address Line 2: IP Administration Center of Excellence        Address Line 4: Houston, TEXAS 77042-4299</p>											
ATTORNEY DOCKET NUMBER:	IS12.2802-US-NP										
NAME OF SUBMITTER:	Querlyn Marques										
Signature:	/Querlyn MARQUES/										

PATENT

Date:

05/09/2013

**Total Attachments: 6**

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**Assignment**

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

**Oda Roaldsdotter Ravndal**, a citizen of Norway, residing at Nymansveien 59, Stavanger, N-4014, NO;

**Jarle Haukås**, a citizen of Norway, residing at Askevegen 15, Sola, N-4051, Norway, NO;

**Bjørn Harald Fotland**, a citizen of Norway, residing at Holbergs gate 71, Stavanger, N-4009, NO;

and

**Lars Sønneland**, a citizen of Norway, residing at Risabergstien 35, Tananger, N-4056, NO;

Has/have invented certain new and useful improvements in

**FLUID MIGRATION PATHWAY DETERMINATION**

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 January 28, 2013, Serial No. **13/752160** (Docket No. IS12.2802-US-NP). **This assignment is effective as of January 28, 2013.**

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,

IN WITNESS WHEREOF I, Oda Roaldsdotter Ravndal, have hereunto set my hand and seal  
this 3<sup>rd</sup> day of May, 2013.

Oda Ravndal  
Oda Roaldsdotter Ravndal

BE IT KNOWN that Oda Roaldsdotter Ravndal, is to me known to be the individual described  
in the foregoing assignment, that on this 3 day of May, 2013, 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.

Ruth Alnæs  
Witness

Hyllaberg bakken 44  
4052 RØYNEBERG  
NORWAY

Post Office Address

Anna Louise Lima  
Witness

Reaktivveien 1  
4051 SULA  
NORWAY

Post Office Address

IN WITNESS WHEREOF I, Jarle Haukås, have hereunto set my hand and seal this 3<sup>RD</sup> day of MAY, 2013.

Jarle Haukås  
Jarle Haukås

BE IT KNOWN that Jarle Haukås, is to me known to be the individual described in the foregoing assignment, that on this 3<sup>RD</sup> day of MAY, 2013, 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.

Ruth Alnæs  
Witness

Myklabergbakken 44  
4032 RØYNEBERG  
NORWAY

Post Office Address

Anne Louise Lima  
Witness

Rødsklovetvegen 1  
4051 SOLA  
NORWAY

Post Office Address

IN WITNESS WHEREOF I, **Bjørn Harald Fotland**, have hereunto set my hand and seal this 6th day of MAY, 2013.

Bjørn H. Fotland  
**Bjørn Harald Fotland**

BE IT KNOWN that **Bjørn Harald Fotland**, is to me known to be the individual described in the foregoing assignment, that on this 6th day of MAY, 2013, 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.

Knut Berge  
Witness

Søren A. A. A. A. A.  
Lone Stanger

Post Office Address

Oddgeir Gramdal  
Witness

Småberget 7  
4330 Ålgård

Post Office Address

IN WITNESS WHEREOF I, **Lars Sønneland**, have hereunto set my hand and seal this 6<sup>th</sup>  
day of May, 2013.

*Lars Sønneland*  
Lars Sønneland

BE IT KNOWN that **Lars Sønneland**, is to me known to be the individual described in the foregoing assignment, that on this 6<sup>th</sup> day of May, 2013, 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.

*Knut Borge*  
Witness

*Søren Arstadseri 21*

*4011 Stovengen*

Post Office Address

*Ruth Almas*  
Witness

*Hyllaberg bekken 44*

*4052 RØYNEBERG*

*NORWAY*

Post Office Address

**Schedule A**  
**"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 – 3<sup>rd</sup> Avenue S.W., Calgary, Alberta, T2P 0G4 Canada

Assignee for applications in: Canada

**WESTERNGECO SEISMIC HOLDINGS LIMITED**

Corporation of: The Netherlands

Located at: Flemming House, Parkstraat 83-89, 2514 JG, The Hague, The Netherlands

Assignee for applications in: Rest of the World