

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4074304

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CORRECT EXECUTION DATE OF FIRST THREE INVENTORS previously recorded on Reel 039871 Frame 0608. Assignor(s) hereby confirms the NICOLAE MOLDOVEANU 07/24/2016 OLAV LIEN 07/27/2016 SUDHIR PAI 07/20/2016.
CONVEYING PARTY DATA	
Name	Execution Date
NICOLAE MOLDOVEANU	07/24/2015
OLAV LIEN	07/27/2015
SUDHIR PAI	07/20/2015
LEENDERT COMBEE	09/13/2016
RECEIVING PARTY DATA	
Name:	WESTERNGECO L.L.C.
Street Address:	10001 RICHMOND AVENUE
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77042
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15112437
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	kdumas-scarber@slb.com
Correspondent Name:	KRISTINE DUMAS-SCARBER
Address Line 1:	10001 RICHMOND AVENUE
Address Line 4:	HOUSTON, TEXAS 77042
ATTORNEY DOCKET NUMBER:	IS14.8081-US-PCT
NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER
SIGNATURE:	/KRISTINE DUMAS-SCARBER/
DATE SIGNED:	09/29/2016
Total Attachments: 9	
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Stylesheet Version v1.2

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>NICOLAE MOLDOVEANU</td><td>07/24/2016</td></tr><tr><td>OLAV LIEN</td><td>07/27/2016</td></tr><tr><td>SUDHIR PAI</td><td>07/20/2016</td></tr><tr><td>LEENDERT COMBEE</td><td>09/13/2016</td></tr></tbody></table>	Name	Execution Date	NICOLAE MOLDOVEANU	07/24/2016	OLAV LIEN	07/27/2016	SUDHIR PAI	07/20/2016	LEENDERT COMBEE	09/13/2016	
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ATTORNEY DOCKET NUMBER:	IS14.8081-US-PCT										
NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER										
Signature:	/KRISTINE DUMAS-SCARBER/										
Date:	09/28/2016										

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Total Attachments: 7

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RECEIPT INFORMATION

EPAS ID: PAT4071916
Receipt Date: 09/28/2016

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Assignment

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

Nicolae Moldoveanu, a citizen of the United States of America, residing at 4611 Green Trail Drive, Houston, Texas 77084, United States of America;

Olav Lien, a citizen of Norway, residing at Hordvik, Norway;

Sudhir Pai, a citizen of India, residing at 3000 McCulloch Circle, Houston, Texas 77056, United States of America;

and

Leendert Combee, a citizen of the Netherlands, residing at Sandvika, Norway;

Has/have invented certain new and useful improvements in

MULTI-DIMENSIONAL SEISMIC SENSOR ARRAY

as described and set forth in the International application filed on January 27, 2015 under Serial Number PCT/US2015/013038, (Docket No. IS14.8081-WO-PCT) this assignment is effective as of January 27, 2015.

AND WHEREAS, the **"COMPANIES," listed in Schedule A**, their successors and assigns, 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 in the United States of America and 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 the United States of America or 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 not 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 the United States 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.

IN WITNESS WHEREOF I, **Nicolae Moldoveanu** have hereunto set my hand and seal this
24 day of July, 2015.



Nicolae Moldoveanu

STATE OF TEXAS

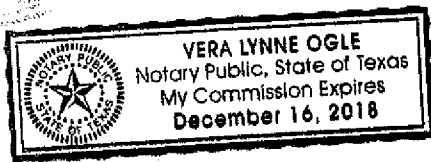
COUNTY OF HARRIS

BEFORE ME this 24 day of July, 2015, personally appeared **Nicolae Moldoveanu**, to me 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.

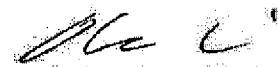
Seal



Notary Public




IN WITNESS WHEREOF I, **Olav Lien**, have hereunto set my hand and seal this 27
day of July, 2015.



Olav Lien

BE IT KNOWN that the aforementioned individual is to me known to be the individual described in the foregoing assignment and that on the aforementioned date I was personally present and did see him/her sign and execute the foregoing assignment; and, that he/she did acknowledge to me that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.



Witness- Signature

TOR BIRGER MØRBERG

Witness- Printed Name

SAEVDALVEGEN 51

5936 MANGER

NORWAY

Post Office Address



Witness- Signature

BJØRN DYREHALLM

Witness- Printed Name

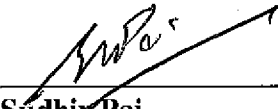
DYREHØVDEN 2A

5993 ØSTEREICHER

NORWAY

Post Office Address

IN WITNESS WHEREOF I, **Sudhir Pai**, have hereunto set my hand and seal this 20 day of July, 2015.



Sudhir Pai

STATE OF TEXAS

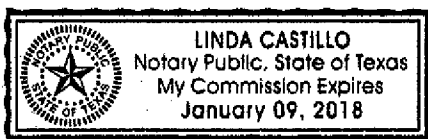
COUNTY OF HARRIS

BEFORE ME this 20 day of July, 2015, personally appeared **Sudhir Pai**, to me 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.

Seal



Notary Public



IN WITNESS WHEREOF I, Leendert Combee, have hereunto set my hand and seal this
13 day of Sept., 2016

L. Combee
Leendert Combee

BE IT KNOWN that the aforementioned individual is to me known to be the individual described in the foregoing assignment and that on the aforementioned date I was personally present and did see him/her sign and execute the foregoing assignment; and, that he/she did acknowledge to me that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

Swanne E-L
Witness- Signature

SWANNE RENTSCH-SMITH
Witness- Printed Name

NORDENGVEIEN 15 B

1396 BILLINGSTAD

NORWAY
Post Office Address

Halvor Grønnaas
Witness- Signature

HALVOR GRØNNAAS
Witness- Printed Name

AKERSTADEN 15

0172 OSLO

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: 125 – 9 Avenue SE, Calgary, Alberta T2G 0P6

Assignee for applications in: Canada

WESTERNGECO SEISMIC HOLDINGS LIMITED

Corporation of: British Virgin Islands

Located at: Flemming House, Wickhams Cay 662, Road Town Tortola

Assignee for applications in: Rest of the World