

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>RUNE TOENNESSEN</td> <td>01/16/2009</td> </tr> </tbody> </table>		Name	Execution Date	RUNE TOENNESSEN	01/16/2009						
Name	Execution Date										
RUNE TOENNESSEN	01/16/2009										
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.										
Street Address:	10001 Richmond Avenue										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77042-4299										
PROPERTY NUMBERS Total: 3											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61145431</td> </tr> <tr> <td>Application Number:</td> <td>61223238</td> </tr> <tr> <td>Application Number:</td> <td>12641164</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61145431	Application Number:	61223238	Application Number:	12641164		
Property Type	Number										
Application Number:	61145431										
Application Number:	61223238										
Application Number:	12641164										
CORRESPONDENCE DATA											
Fax Number:	(713)689-2219										
Phone:	7136892273										
Email:	qmarques@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:	Kevin McGoff										
Address Line 1:	10001 Richmond Avenue										
Address Line 2:	IP Administration Center of Excellence										
Address Line 4:	Houston, TEXAS 77042-4299										
ATTORNEY DOCKET NUMBER:	14.0475 (PSP, PSP2, NP)										
NAME OF SUBMITTER:	Querlyn Marques										
Total Attachments: 5											

CH \$120.00 61145431

source=140475USNP_20120709_Assignment#page1.tif
source=140475USNP_20120709_Assignment#page2.tif
source=140475USNP_20120709_Assignment#page3.tif
source=140475USNP_20120709_Assignment#page4.tif
source=140475USNP_20120709_Assignment#page5.tif

Assignment

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

Rune Toennesen, a citizen of Norway, residing at Tuengen Allé 19 B, 0374 Oslo

Has/have invented certain new and useful improvements described in the invention disclosure entitled

Bird Wing Torque Minimization

(WesternGeco Docket No. 14.0475-US) and/or as described and set forth in one or more associated patent applications (filed or to be filed). The Inventor(s) hereby authorize and request WesternGeco's legal department, to insert in the space provided in Schedule A the filing date(s), application number(s), and title(s) of said application(s) when known.

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 B, 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 B;

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; and entire right, title and interest in all the intellectual property in the invention including, but not limited to, any and all ideas, discoveries, writings (including software and its source code) and improvements in the invention, together with any and all domestic and foreign design rights, trademarks, trade secrets and copyrights in such ideas.

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.

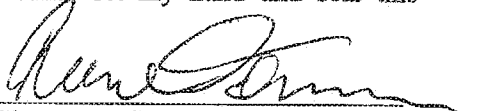
AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANIES, their successors and assigns, as the assignee of the entire right, title and interest in and to the same, for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

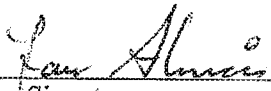
AND said Inventors, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANIES, their successors and assigns, that each Inventor, his or her executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, 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, **Rune Toennesen**, have hereunto set my hand and seal this
16 day of January, 2009.


(Signature of Inventor)

BE IT KNOWN that **Rune Toennesen** 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

JAN ALMAS
Witness- Printed Name

RYPEVN 46

3420 LIERSKOGEN

NORWAY
Post Office Address


Witness- Signature

TORRE BJØLSETH
Witness- Printed Name

MUNKEDAMSV. 61

0270 OSLO

NORWAY
Post Office Address

Schedule A
“APPLICATIONS”

Filing Date	Application No.	Title
January 16, 2009	61/145431	BIRD WING TORQUE MINIMIZATION
July 6, 2009	61/223238	BIRD WING TORQUE MINIMIZATION
December 17, 2009	12/641164	STEERING SYSTEM AND METHOD FOR USE IN SEISMIC SURVEY APPLICATIONS

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