

12-08-2005

RECO.



103132850

To the Assistant Commissioner for Patents: Please receive the attached original documents or copy thereof.

**1. NAME OF CONVEYING PARTY(IES):**Rune Toennessen  
Jon Magnus Soerli**2. NAME AND ADDRESS OF RECEIVING PARTY(IES):**WesternGeco, L.L.C.  
10001 Richmond Avenue  
Houston, Texas 77042

No additional names attached

No additional names &amp; addresses attached

112935 U.S. PTO  
11/290252

113005

**3. NATURE OF CONVEYANCE:**

ASSIGNMENT EXECUTION DATE: 18 November 2005

**4. APPLICATION NUMBER(S) OR PATENT NUMBER(S):**

If this document is being filed with a new application, the filing date of the application is: Filed Concurrently

A. PATENT APPLICATION NO.(s) Filed Concurrently

B. PATENT NO.(s)

NO ADDITIONAL NUMBERS ATTACHED

**5. NAME AND ADDRESS FOR CORRESPONDENCE:**WesternGeco, L.L.C.  
Attn: Rebecca Tanis  
P.O. Box 2469  
Houston, Texas 77252-2469**6. TOTAL NUMBER OF APPLICATIONS & PATENTS INVOLVED 1.****7. TOTAL FEE (37 CF4.3.41) \$40.00**

CHARGE TO DEPOSIT ACCOUNT 50-1720

**8. DEPOSIT ACCOUNT NO. 50-1720****9. STATEMENT AND SIGNATURE.**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey E. Griffin, Reg. No. 36,534 (Signature)

11/29/2005 (Date)

Total number of pages including cover sheet, attachments and document:

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### **Assignment**

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

RUNE TOENNESSEN, citizen of NORWAY, residing at TUENGEN ALLE 19 B, 0374 OSLO, NORWAY

JON MAGNUS SOERLI, citizen of NORWAY, residing at LYGVEIEN 2, N-3060 SVELVIK, NORWAY

Has/have invented certain new and useful improvements in

### **SYSTEMS AND METHODS FOR STEERING SEISMIC ARRAYS**

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 08 April 2005, Serial No. 60/669,528 (Docket No. 14.0270-US-PRO).

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, RUNE TOENNESSEN, have hereunto set my hand and seal this  
18 day of November, 2005.


  
 (signature of Inventor)

BE IT KNOWN that RUNE TOENNESSEN is to me known to be the individual described in the foregoing assignment, that on this 18 day of November, 2005, 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

JENS OLAV PAULSEN  
SKOGSNARET 5  
3425 REISTAD

Post Office Address

  
 Witness

Kenneth Welker  
Sendv. 17D  
Nesøya  
Norway

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, JON MAGNUS SOERLI, have hereunto set my hand and seal this  
18 day of November, 2005.

Jon M. Soerli  
 (signature of Inventor)

BE IT KNOWN that JON MAGNUS SOERLI is to me known to be the individual described in the foregoing assignment, that on this 18 day of November, 2005, 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.

Bennett Welker  
 Witness

Sandv. 17D  
Nesøya, Norway

Post Office Address

Alene Sten  
 Witness

Tverger allé 19B  
0374 OSLO  
NORWAY

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