

## 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>Andrew J. Hayman</td> <td>06/25/2013</td> </tr> <tr> <td>Richard Bloemenkamp</td> <td>07/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Andrew J. Hayman	06/25/2013	Richard Bloemenkamp	07/05/2013				
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Richard Bloemenkamp	07/05/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Schlumberger Technology Corporation</td> </tr> <tr> <td>Street Address:</td> <td>300 Schlumberger Drive</td> </tr> <tr> <td>City:</td> <td>Sugar Land</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77478</td> </tr> </table>		Name:	Schlumberger Technology Corporation	Street Address:	300 Schlumberger Drive	City:	Sugar Land	State/Country:	TEXAS	Postal Code:	77478
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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>13995501</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13995501						
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CORRESPONDENCE DATA											
<p>Fax Number: 7136896372  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 81427595321        Email: kawashima1@exchange.slb.com        Correspondent Name: Schlumberger - COE        Address Line 1: WesternGeco 10001 Richmond Ave.        Address Line 2: Room 3028        Address Line 4: Houston, TEXAS 77042</p>											
ATTORNEY DOCKET NUMBER:	21.1884USPCT ASSIGNMENT										
NAME OF SUBMITTER:	Setsuko Kawashima										
Signature:	/Setsuko Kawashima/										
Date:	07/15/2013										

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Total Attachments: 5

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## Assignment

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

**Richard Bloemenkamp**, a citizen of Netherlands, residing at 9 Boulevard Voltaire, 92130 Issy-les-Moulineaux, France;

and

**Andrew J. Hayman**, a citizen of the United Kingdom, residing at 44 rue Dumont D'Urville, 78960 Voisins-le-Bretonneux, France;

Has/have invented certain new and useful improvements in

### **Apparatus and Method for Measuring Electrical Properties of an Underground Formation**

as described and set forth in an application for Letters Patent of the United States of America, filed on June 18, 2013 under Attorney Docket No. 21.1884 US PCT assigned serial # 13/995501. **This assignment is effective as of December 7, 2011 (International patent application filing date).**

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.

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 25 day of June, 2013.

Signature Andrew Hayman  
Inventor's Name: Andrew J. Hayman

Witnesses:


Signature [Signature]  
Name: DELORDE Arnaud Date: 25 June 2013  
Address: EPS  
1, Rue H. Becquerel  
92111 Clamart France

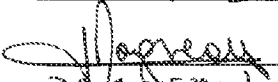
Signature [Signature]  
Name: DIACHON Ben Date: 25 June 2013  
Address: 30 Ter Rue de la Gare  
92320 Châtillon  
France

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this July 5<sup>th</sup> day of \_\_\_\_\_, 2013.

Signature   
Inventor's Name: **Richard Bloemenkamp**

Witnesses:

Signature   
Name: DELGADO Carmen Date: 5 July 2013  
Address: 1. Rue H. Becquerel  
92140 Châtenay  
FRANCE

Signature   
Name: DAGDEM Beo Date: 5 July 2013  
Address: 30 Ter Rue de la Gare  
92320 Châtillon  
France

Schedule A

**“COMPANIES”**

**SCHLUMBERGER TECHNOLOGY CORPORATION**

Corporation of: United States of America

Located at: 300 Schlumberger Drive, Sugar Land, Texas 77478 U.S.A.

Assignee for applications in: United States of America

**SCHLUMBERGER CANADA LIMITED**

Corporation of: Canada

Located at: 525-3<sup>rd</sup> Avenue S.W., Calgary, Alberta, Canada T2P 0G4

Assignee for applications in: Canada

**SERVICES PETROLIERS SCHLUMBERGER**

Corporation of: France

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

Assignee for applications in: France

**SCHLUMBERGER HOLDINGS LIMITED**

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Japan, The Netherlands, United Kingdom

**SCHLUMBERGER TECHNOLOGY B.V.**

Corporation of: the Netherlands

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

Assignee for applications in: GCC and all other countries.

**PRAD RESEARCH AND DEVELOPMENT LIMITED**

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Angola, Bahrain, Bangladesh, Benin, Cambodia, Cameroon, Chad, China, Congo, Gabon, Ghana, Guinea-Bissau, India, Ivory Coast, Jordan, Libya, Mauritania, Morocco, Mozambique, Myanmar, Namibia, Nigeria, Philippines, Senegal, Sudan, Syria, Taiwan, Togo, UAE, Vietnam, Zaire.