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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEENDERT COMBEE	03/25/2008
MICHAEL MALLING	03/25/2008
PHIL HEELAN	03/25/2008

RECEIVING PARTY DATA

Name:	WesternGeco L. L. C.	
Street Address:	10001 Richmond Avenue	
Internal Address:	IP Department / #4445	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77042	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12059511

CORRESPONDENCE DATA

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Correspondent Name: WesternGeco L.L.C.

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Address Line 4: HOUSTON, TEXAS 77042

ATTORNEY DOCKET NUMBER:	14.0383-US (SHW.0045US)
NAME OF SUBMITTER:	Liangang (Mark) Ye, #48,276

Total Attachments: 7

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PATENT REEL: 020729 FRAME: 0393

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Assignment

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

Leendert Combee, a citizen of The Netherlands, residing at Niels Juels Gate 21, 0272 Oslo Norway,

Michael Malling, a citizen of Norway, residing at Ørakerveien 9B, 0284 Oslo Norway,

and

Phil Heelan, a citizen of Ireland, residing at Askerveien 44, Asker, Norway, 1384,

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

ANALOGUE SOURCE CURRENT WAVEFORM FOR CSEM

(WesternGeco Docket No. 14.0383-US) and 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, trade marks, 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, Leendert Combee 25 day of March, 2008.	e, have hereunto set my hand and seal this
	(Signature of Inventor)
BE IT KNOWN that Leendert Combee is to me foregoing assignment, that on this _25 _ day o present and did see him/her sign and execute the acknowledge to me that he/she executed the same purposes therein set forth.	of March, 2008, I was personally foregoing assignment; and, that he/she did
dag Ranhei	
Witness- Signature	Witness- Signature
LAZS ZANHEIM	JAMES YORKSHADES
Witness- Printed Name	Witness- Printed Name
Kjaerranyn 18	SAHO ROYKEN
Kjaerran vn 18 3180 Nyhirke	3440 ROYKEN
Norway Post Office Address	NORWAY
Post Office Address	Post Office Address

Post Office Address

WITNESSED: IN WITNESS WHEREOF I, Michael Malling, have hereunto set my hand and seal this 25 day of MARCH, 2008. BE IT KNOWN that Michael Malling is to me known to be the individual deseribed in the foregoing assignment, that on this <u>25</u> day of <u>March</u>, 2008, 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. Jork Harlo Witness-Signature Witness-Signature JARLE FJORTOFT Witness- Printed Name TORE NILSEN Witness- Printed Name BJERKEHAUGEN 25 GRONOUNO VN 71 1350 LUMME PALEN 1394 NE2860

NOCWAY .
Post Office Address

ATTORNEY DOCKET NO. 14.0383-US Page 5 of 7

WITNESSED:	
IN WITNESS WHEREOF I, Phil Heelan , h. 2008.	nave hereunto set my hand and seal thisday of(Signature of Inventor)
assignment, that on this <u>25</u> day of did see him/her sign and execute the foregon	mown to be the individual described in the foregoing march, 2008, I was personally present and ing assignment; and, that he/she did acknowledge to free act and deed for the uses and purposes therein
Vinc UQ Witness- Signature	Jark Birkel Witness-Signature
TOKE NICSEN Witness- Printed Name	JARLE FJORTOFT Witness- Printed Name
GREWSUND UN 71	BIERKE HAUGEN 25
1394 NESBRU	1350 LUMMEDALEN
NORWAY	Post Office Address
Post Office Address	Post Office Address

Schedule A "APPLICATIONS"

Filing Date	Application No.	Title
March 31, 2008	12/059,511	Signal Generator for Electromagnetic Surveying That
		Produces a Signal Having an Analog Continuous Waveform

Schedule B "COMPANIES"

WESTERNGECO, L.L.C.

Corporation of: Delaware, USA

Located at: 10001 Richmond Avenue, Houston, Texas 77042 USA

Assignee for applications in: The United States of America

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

RECORDED: 03/31/2008

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, Brunei, 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