

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jacques Y. Guigne</td> <td>09/13/2010</td> </tr> <tr> <td>Gary Dinn</td> <td>09/13/2010</td> </tr> <tr> <td>James Wright</td> <td>09/13/2010</td> </tr> <tr> <td>Nicholas G. Pace</td> <td>09/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	Jacques Y. Guigne	09/13/2010	Gary Dinn	09/13/2010	James Wright	09/13/2010	Nicholas G. Pace	09/20/2010
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Jacques Y. Guigne	09/13/2010										
Gary Dinn	09/13/2010										
James Wright	09/13/2010										
Nicholas G. Pace	09/20/2010										
<b>RECEIVING PARTY DATA</b>											
Name:	PanGeo Subsea, Inc.										
Street Address:	277 Water Street										
City:	St. John's										
State/Country:	CANADA										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12885660</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12885660						
Property Type	Number										
Application Number:	12885660										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(832)201-4829										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	713-539-5006										
Email:	fagintr@xpotechpatents.com										
Correspondent Name:	RICHARD A. FAGIN										
Address Line 1:	P.O. BOX 1247										
Address Line 4:	RICHMOND, TEXAS 77406-1247										
ATTORNEY DOCKET NUMBER:	PAG-09-02US										
NAME OF SUBMITTER:	Richard A. Fagin										

Total Attachments: 3  
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 source=PAG-09-02US-assignment-signed#page2.tif

**501295243**

**PATENT  
 REEL: 025011 FRAME: 0176**

**OP \$40.00 12885660**



## Assignment – Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

PanGeo Subsea, Inc.

having the following address:

277 Water Street, St. John's, NL, Canada

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

### Seismic Source Which Incorporates Earth Coupling As Part Of The Transmitter Resonance

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

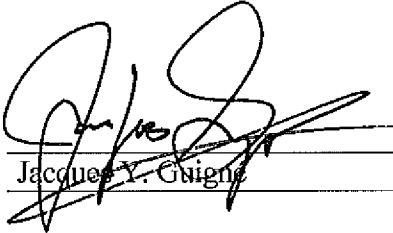
1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to RICHARD A. FAGIN the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

Sept 13, 2010  
Date

Signature:   
Print or Type Name: Jacques Y. Guigné

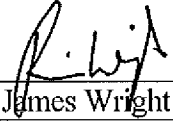
\_\_\_\_\_  
Date

Signature: \_\_\_\_\_  
Print or Type Name: Nicholas G. Pace

Sept 13, 2010  
Date

Signature:   
Print or Type Name: Gary Dinn

Sept 13, 2010  
Date

Signature:  ON BEHALF OF  
Print or Type Name: James Wright

\_\_\_\_\_  
Date

Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

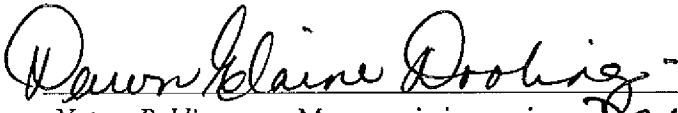
This Assignment must be signed before a Notary Public for one of the States in the United States:

Province of Newfoundland and Labrador  
County of:

NOTARY PUBLIC

Before me personally appeared: Jacques Guigné Gary Dinn  
1<sup>st</sup> Inventor 2<sup>nd</sup> Inventor  
Richard Wright (on behalf of)  
James Wright  
3<sup>rd</sup> Inventor 4<sup>th</sup> Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: Sept 13, 2010   
DAWN ELAINE DOOLING RYAN ~~Notary Public~~ My commission expires: Dec 31, 2014  
A Commissioner for Oaths  
in and for the Province of Newfoundland and Labrador. Commissioner For Oaths  
My Commission expires on December 31, 2014.

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  
U.S. Application Serial No.:  
Filing Date:

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

\_\_\_\_\_  
Date

20/09/2010  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

Signature: \_\_\_\_\_

Print or Type Name: Jacques Y. Guigné

Signature: \_\_\_\_\_

Print or Type Name: Nicholas G. Pace

Signature: \_\_\_\_\_

Print or Type Name: Gary Dinn

Signature: \_\_\_\_\_

Print or Type Name: James Wright

Signature: \_\_\_\_\_

Print or Type Name: \_\_\_\_\_

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Province of Newfoundland and Labrador  
County of:

Before me personally appeared:

\_\_\_\_\_  
1<sup>st</sup> Inventor

Nicholas G. Pace  
2<sup>nd</sup> Inventor

\_\_\_\_\_  
3<sup>rd</sup> Inventor

\_\_\_\_\_  
4<sup>th</sup> Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 20th September 2010

[Signature]  
Notary Public

Samantha Jane O'Sullivan  
My commission expires: \_\_\_\_\_  
a solicitor of the Supreme Court  
of Judicature

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U.S. Application Serial No.:  
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