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To the Honorable Commissioner of Patents and Trademarks	Please record the attached original documents or copy thereof.	
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FOI Swedish Defense Research Agency	Name: PGS Geophysical AS	
(org. no. 202100-5182)		
signed by Madelene Sandström, Director General	Internal Address:	
Additional name(s) of conveying party(es) attached? Yes No		
3. Nature of conveyance:		
Assignment Merger	Observation 4	
Security Agreement Change of Name	Street Address: Strandveien 4	
	N-1366 Lysaker, Norway	
Other_Correction Reel/Frame 018704/0765		
	City: See Above State: Zip:	
12/21/2006 Execution Date:	Addition () - () A address (-) - Harbard () Ven () No.	
	Additional name(s) & address(es) attached? Yes V No	
Application number(s) or patent number(s):		
	ication, the execution date of the application is:	
A. Patent Application No.(s) 11/520,228	B. Patent No.(s)	
Additional numbers a	ttached? ☐ Yes ✔ No	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1	
concerning document should be mailed:		
Name: E. Eugene Thigpen	7. Total fee (37 CFR 3.41)\$ 40.00	
17 100 100 100 100	Enclosed	
Internal Address:		
·	Authorized to be charged to deposit account	
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TITLE TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE TO	8. Deposit account number:	
Street Address: Petroleum Geo-Services, Inc.	•	
	50-2223 for PGS-05-12US-NP	
15150 Memorial Drive		
City: Houston State: TX Zip: 77079		
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9. Signature.	The state of the s	
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E. Eugene Thigpen	lugere Lhegher February 14, 2007	
Name of Person Signing	Signature February 14, 2007 Date	
Total number of pages including cove	er sheet, attachments, and documents: 9	

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	Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes VIN		
Nature of conveyance:		
Assignment Merger	Street Address: Strandveicn 4	
Security Agreement Change of Name Other	N-1366 Lysaker, Norway	
Execution Date:	City: See Abovestate: _ Zip:	
4. Application number(s) or patent number(s):	Additional name(s) & address(es) attached? Yes 🗸 No	
Additional numbers a	B. Patent No.(s)	
Name and address of party to whom correspondence concorning document should be mailed:	6. Total number of applications and palents involved:	
Name: E. Eugene Thigpen	7. Total fee (37 CFR 3.41)	
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15150 Memorial Drive	50-2223 for PGS-05-12US-NP	
City: Houston State: TX Zip: 77079		
9. Signalure.	THIS SPACE	
E. Eugene Thigpen Name of Person Signing	Signature January 2, 2007 Date	
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<u>ASSIGNMENT</u>

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does, subject to the license provided for in Attachment A hereto, hereby:

SELL, ASSIGN AND TRANSFER to PGS GEOPHYSICAL AS (the "Assignee"), having a place of business at Strandveien 4, N-1366 Lysaker, Norway, the entire right, title and interest of the undersigned for the United States and all other countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 11/520,228 which has been filed on September 13, 2006, and is entitled "LOW NOISE, TOWED ELECTROMAGNETIC SYSTEM FOR SUBSURFACE EXPLORATION", such application and all divisional, continuing, substitute, renewal, reissue, provisional and all other applications for patent which have been or shall be filed in the United States and all other countries or international or regional patent offices on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all other countries or regional or international patent offices on such improvements; and specifically including the right to file applications in other countries or international or regional patent offices under the provisions of any convention or treaty and claim priority based on such United States application;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and other patents granted on such improvements to the Assignee;

TO BE BINDING on the assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

FOI Swedish Defense Research Agency		
FOI Swedish Defense Research Agency (org. no. 202100-5182) By	O	۸ .
Ву	Witness's Signature Work	Mar Wolf
Printed or Typed Name Madelene Sandsham	Witness's Printed Name Bola	<u>vra:-</u> Wahlberg
Date $\frac{21/12}{}$, 2006	Date 21/12	, 2006

Assignment PGS-05-12US-NP

ATTACHMENT A

PGS Geophysical AS hereby grants to FOI Swedish Defence Research Agency ("FOI") a non-exclusive, paid-up, perpetual, irrevocable, worldwide right to use a patentable invention assigned to PGS Geophysical AS pursuant to this Assignment for FOI's own operation, including for assignment from or in cooperation with a third party, in all fields other than exploration for and production of oil and gas and other minerals. Such right to use a patentable invention assigned to PGS Geophysical AS shall also extend to use within the fields of exploration for and production of oil and gas and other minerals, provided such use is for the purpose of Swedish total defence system or within Sweden or Swedish territorial waters. The right of use for the purpose of the Swedish defence system within the fields of exploration for and production of oil and gas and other minerals includes a right to produce, or have a third party produce, the system for this purpose. Except for the purpose of the Swedish total defence system and within Sweden or Swedish territorial waters, FOI is not allowed to sublicense any rights to a party within the fields of exploration for and production of oil and gas and other minerals. FOI is entitled to develop and change the patentable invention.