#### 504845374 03/30/2018

# PATENT ASSIGNMENT COVER SHEET

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**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
LINGYUN QIU	03/29/2018
JAIME RAMOS-MARTINEZ	03/29/2018
ALEJANDRO A. VALENCIANO MAVILIO	03/29/2018

### **RECEIVING PARTY DATA**

Name:	PGS GEOPHYSICAL AS
Street Address:	P.O. BOX 251 LILLEAKER
City:	OSLO
State/Country:	NORWAY
Postal Code:	0216

### **PROPERTY NUMBERS Total: 2**

Property Type	Number
Application Number:	62633293
Application Number:	15939711

### **CORRESPONDENCE DATA**

Fax Number: (612)659-9344

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6126599340

Email: pgs.docketing@bipl.net

BROOKS, CAMERON & HUEBSCH, PLLC **Correspondent Name:** 1201 MARQUETTE AVENUE SOUTH Address Line 1:

Address Line 2: SUITE 400

Address Line 4: MINNEAPOLIS, MINNESOTA 55403

ATTORNEY DOCKET NUMBER:	PGS-18103-US-ORG1
NAME OF SUBMITTER:	ALEXANDER MARQUARDT
SIGNATURE:	/Alexander Marquardt/
DATE SIGNED:	03/30/2018

**Total Attachments: 4** 

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> **PATENT** REEL: 045393 FRAME: 0566 504845374

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> PATENT REEL: 045393 FRAME: 0567

## **ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to PGS Geophysical AS (the "Assignee"), having a place of business at P.O. Box 251 Lilleaker, 0216 Oslo, Norway, my entire right, title and interest in the application for United States Provisional Application, Serial No. 62/633,293 which has been filed on 21-Feb-2018 and is entitled "FULL WAVEFORM INVERSION WITH EXPONENTIALLY ENCODED OPTIMAL TRANSPORT NORM" and United States Non-Provisional Application Serial No. 15/939,711 which has been filed on 29-Mar-2018, and is entitled "Inversion with Exponentially Encoded Seismic Data" and for the United States and all other countries in and to all improvements which are disclosed in such application, and all divisional, continuing, substitute, renewal, reissue, 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;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other

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papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

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

Signature:		 , 2018
Name:	Lingyun Qiu	
STATE OF TEXAS	)	
COUNTY OF HARRI	) ss. (S )	

BEFORE ME, the undersigned authority, on this 29th day of 47/1020/ 2018, personally appeared Lingvin Din, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

> Notary Public, State of Texas Comm. Expires 05-25-2021

TERESA JORDAN

Notary ID 12348275

Levisa Chrodan Notary

Signature:	Date: 3 / 2 9 , 2018
Name: Jaime	Ramos-Martinez
STATE OF TEXAS	) ) ss.
COUNTY OF HARRIS	
personally appeared Jaims	dersigned authority, on this <u>AGM</u> day of <u>MACA</u> 2018 Romos Makia kgrown to me to be the person whose name is
subscribed to the foregoing in	strument and acknowledged to me that he executed the same of his
own free will for the purpose	s and consideration therein expressed.

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TERESA JORDAN
Notery Public, State of Texas
Comm. Expires 05-25-2021
Notery ID 12348276

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Signature:		Date: 03/29	, 2018
	. Yalenciano Mavilio		
STATE OF TEXAS	) ) ss.		
COUNTY OF HARRIS	)		

BEFORE ME, the undersigned authority, on this 2944 day of 77/2012 2018, personally appeared Alejandre Valenciam known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary

TERESA JORDAN
Notary Public, State of Texas
Comm. Expires 05-25-2021
Notary ID 12348275

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