PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5404591

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FAIRFIELD INDUSTRIES INCORPORATED	12/17/2018

RECEIVING PARTY DATA

Name:	FAIRFIELD SEISMIC TECHNOLOGIES LLC
Street Address:	9811 KATY FREEWAY
Internal Address:	SUITE 1200
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15286834

CORRESPONDENCE DATA

Fax Number: (617)342-4001

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Phone: 617342400
Email: ipdocketing@foley.com, jcormier@foley.com
Correspondent Name: JAMES DE VELLIS
Address Line 1: 3000 K. STREET, N.W., SUITE 600
Address Line 2: FOLEY & LARDNER LLP
Address Line 4: WASHINGTON, D.C. 20007

ATTORNEY DOCKET NUMBER:	102179-0560/FFN-005US
NAME OF SUBMITTER:	JAMES DE VELLIS
SIGNATURE:	/James De Vellis/
DATE SIGNED:	03/05/2019

Total Attachments: 39
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT (the "**Assignment**") is made as of December 17, 2018 (the "**Effective Date**") by Fairfield Industries Incorporated d/b/a Fairfield Geotechnologies, a Delaware corporation, having a principal place of business at 9811 Katy Freeway, Suite 1200, Houston, Texas ("**Assignor**") to Fairfield Seismic Technologies LLC, a Delaware limited liability company, having a principal place of business at 9811 Katy Fwy, Suite 1200, Houston, Texas 77024 ("**Assignee**").

WHEREAS, Assignor and Assignee are parties to the Asset Transfer Agreement, dated as of October 30, 2018 (the "**Agreement**"), and the Agreement provides for the execution and delivery of this Assignment by Assignor to Assignee for certain patent rights defined in the Agreement;

WHEREAS, Assignor owns the patent applications and patents as set forth on Schedules 24A and 24B of the Agreement, as well as all patents and patent applications (such as divisional applications, continuation applications, national applications derived from regional applications) generated from any of the applications listed herein (collectively, the "**Assigned Patents**"); and

WHEREAS, Assignee desires to purchase or acquire all of Assignor's right, title and interest in and to the Assigned Patents;

NOW, THEREFORE, subject to the terms and conditions of the Agreement and this Assignment and in consideration of the Agreement and other good, valuable and sufficient consideration, the receipt of which is hereby acknowledged, the parties hereto, intending to be legally bound, agree as follows:

1. Assignor hereby sells, conveys, assigns and transfers to Assignee, and Assignee hereby accepts, all of Assignor's right, title and interest in and to the Assigned Patents; all rights to apply for registration in foreign countries with full benefit of such priority as may now or hereafter be granted to it by law, treaty or other international convention; and all rights, interests, claims and demands recoverable in law or equity, that Assignor has or may have in damages for past, present and future infringements of the Assigned Patents, including, without limitation, the right to compromise, sue for past infringements, maintain suit for past infringements, and collect all damages including lost profits, reasonable royalties, and any other form of damages for past infringements; all of the foregoing to be held and enjoyed by Assignee, its successors and assigns or their legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

2. From and after the Effective Date, Assignor shall, without further consideration, execute and deliver such instruments of transfer, conveyance, assignment and assumption, and take such other action as may reasonably be necessary to consummate the transaction contemplated by the Agreement.

3. Nothing in this Assignment, express or implied, is intended to or shall be construed to modify, expand, supersede or limit in any way the terms, conditions or obligations of the Agreement. To the extent any provision of this Assignment conflicts with or is inconsistent with the terms of the Agreement, the Agreement shall control and govern.

4. Capitalized terms used herein without definition shall have the meanings set forth in the Agreement.

5. This Assignment shall be governed by, and construed in accordance with the laws of the United States with respect to patent issues, and in all other respects including as to validity (except for patent validity issues), interpretation and effect by the laws of the State of Delaware without giving effect to the conflict of laws rules thereof.

6. This Assignment may be executed electronically or otherwise (where permitted in an applicable jurisdiction) in any number of identical counterparts each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

[Signature Page Follows]

Fairfield Seismic Technologies LLC
as Assignee

By: _____

Name: BRYAN DEMPSEY

Title: CORPORATE SECRETARY, GC

Country: USA
State: Texas
County: Harris

On Dec. 17, 2018, before me, Wendy Franz, Notary Public, personally appeared Bryan Dempsey who proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

_____
Signature of Notary Public

WENDY MCKEEVER FRANZ
Notary Public, State of Texas
Comm. Expires 10-11-2022
Notary ID 131756948

My Commission Expires: 10-11-2022

Witness No. 1: _____ [Signature]

Name: Tanya Harley

Address: 3126 Serene Oak Dr
Sugar Land TX 77478

Witness No. 2: _____ [Signature]

Name: Joshua Vleyes

Address: 1875 Post Oak Park Dr
Houston, TX 77027

[Signature Page to Patent Assignment]

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be duly executed as of the Effective Date.

Fairfield Industries Incorporated
as Assignor

By: K. J. Crosby

Name: KEVIN J. CROSBY

Title: EVP, CHIEF FINANCIAL OFFICER

Country: USA
State: Texas
County: Harris

On Dec 17, 2018, before me, Wendy Franz, Notary Public, personally appeared Kevin J. Crosby, who proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Wendy Franz
Signature of Notary Public

WENDY MCKEEVER FRANZ
Notary Public, State of Texas
Comm. Expires 10-11-2022
Notary ID 131756946

My Commission Expires: 10-11-2022

Witness No. 1: [Signature]
Name: TANYA HARLEY
Address: 3124 SERENE OAK DR
SUGARLAND TX 77478

Witness No. 2: [Signature]
Name: Joshua Wesges
Address: 1875 Post Oak Park Dr
Houston, TX 77027

[Signature Page to Patent Assignment]

SCHEDULE 24A

(Patents and Patent Applications to be Assigned)

This Schedule includes and incorporates all patents and applications generated from any of the applications listed herein (such as divisional applications, continuation applications, foreign counterparts, other applications claiming priority to any listed application, etc.) even if not explicitly listed below.

1. Patents

Country	Patent Title	Application No.	Filing Date	Patent No.	Issue Date
Australia	Payload control apparatus, method, and applications	AU2013331342	10/16/2013	2013331342	03/09/2017
Australia	Land based unit for seismic data acquisition	AU2013337722	11/01/2013	2013337722	03/23/2017
Australia	Capture and docking apparatus, method, and applications	AU2013352373	11/26/2013	2013352373	01/19/2017
Australia	Item storage, dispensing, and receiving system, apparatus, methods, and applications	AU2014225697	03/06/2014	2014225697	05/18/2017
Australia	High-bandwidth underwater data communication system	AU2014265955	03/12/2014	2014265955	11/30/2017
Canada	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA | PROCEDE ET SYSTEME DE TRANSMISSION DE DONNEES SISMIQUES	CA2547062	09/21/2004	2547062	01/03/2017
Canada	METHOD AND APPARATUS FOR LAND BASED SEISMIC DATA ACQUISITION | METHODE ET APPAREIL POUR UNE ACQUISITION DE DONNEES SISMIQUES D'ORIGINE TERRESTRE	CA2554788	09/21/2004	2554788	04/05/2016
Canada	WIRELESS MONITORING DEVICE | DISPOSITIF DE SURVEILLANCE SANS FIL	CA2568245	03/22/2005	256842C	08/02/2011
Canada	METHOD AND APPARATUS FOR	CA2581193	09/21/2004	2581193	04/12/2016

Canada	SEISMIC DATA ACQUISITION | PROCEDE ET APPAREIL D'ACQUISITION DE DONNEES SISMIQUES	CA2700280	11/04/2008	2700280	05/08/2018
Canada	METHOD AND APPARATUS FOR CORRECTING THE TIMING FUNCTION IN A NODAL SEISMIC DATA ACQUISITION UNIT | PROCEDE ET APPAREIL DE CORRECTION DE LA FONCTION DE SYNCHRONISATION DANS UNE UNITE NODALE D'ACQUISITION DE DONNEES SISMIQUES	CA2724987	03/19/2009	2724987	08/02/2016
China	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION | UNITE TERRESTRE POUR L'ACQUISITION DE DONNEES SISMIQUES	CN200480040320.4	09/21/2014	ZL200480040320.4	07/09/2008
China	Method and system for transmission of seismic data | 地震数据的传输方法和系统	CN200480042443.1	09/21/2014	ZL200480042443.1	05/23/2012
China	Method and apparatus for land based seismic data acquisition | 用于基于陆地的地震数据采集的方法和装置	CN200480044393.0	09/21/2004	200480044393.0	09/05/2012
China	Method and device for seismic data acquisition | 用于地震数据采集的方法和设备	CN200880112633.4	11/04/2008	200880112633.4	09/12/2012
China	Method and apparatus for correcting the timing function in a nodal seismic data acquisition unit | 用于校正节点地震数据采集单				

	元中的计时功能的方法和装置				
China	Land based unit for seismic data acquisition | 用于地震数据获取的陆基单元	CN200980126117.1	03/19/2009	ZL200980126117.1	04/16/2014
China	Method and apparatus for land based seismic data acquisition | 用于基于陆地的地震数据采集的方法和装置	CN201010163040.X	09/21/2004	ZL201010163040.X	02/29/2012
China	Method and apparatus for land based seismic data acquisition | 用于基于陆地的地震数据采集的方法和装置	CN201110436777.9	09/21/2004	ZL201110436777.9	12/09/2015
China	Method and equipment used for collecting seismic data | 用于地震数据采集的方法和设备	CN201210243445.3	09/21/2004	ZL201210243445.3	09/28/2016
China	Capture and docking apparatus, method, and applications | 卡持和对接设备、方法及应用	CN201380060724.9	11/26/2013	CN104853984B	08/15/2017
China	有效负载控制设备、方法	CN201380062338.3	10/16/2013	CN104903227B	01/26/2018
China	Delivery and recovery apparatus, method, and applications | 运送和回收设备、方法以及应用	CN201380072487.8	12/10/2013	CN105051570B	01/19/2018
China	Land based unit for seismic data acquisition | 用于地震数据获取的陆基单元	CN201410106629.4	03/19/2009	ZL201410106629.4	03/01/2017
China	高带宽水下数据通信系统	CN201480021465.3	03/12/2014	ZL201480021465.3	10/03/2017
China	Item storage, dispensing, and receiving system, apparatus, methods, and applications | 物品存储、	CN201480025334.2	03/06/2014	CN105189312B	12/12/2017

	分发及接收系统、装置、方法及应用				
China	Monitoring system, components, methods, and applications | 监测系统、组件、方法和应用	CN201480046783.5	07/18/2014	CN105517889B	05/15/2018
China	Wireless monitoring device | 无线监测设备	CN200580011485.3	03/22/2005	CN100592104C	02/24/2010
China	用于基于陆地的地震数据采集的方法和装置	CN201510763534.4	09/21/2004	ZL201510763534.4	04/03/2018
China	Method and apparatus for correcting timing function in nodal seismic data acquisition unit | 用于校正节点地震数据采集单元中的计时功能的方法和装置	CN201210289548.3	11/04/2008		
European Union	CAPTURE AND DOCKING APPARATUS, METHOD, AND APPLICATIONS | ERFASSUNGS- UND ANDOCKVORRICHTUNG, VERFAHREN UND ANWENDUNGEN | APPAREIL DE CAPTURE ET D'ACCOSTAGE, PROCÉDÉ ASSOCIÉ ET APPLICATIONS	EP2013859005	11/26/2013	EP2925599B1	05/02/2018
European Union	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION | LANDSTATIONIERTE EINHEIT ZUR ERFASSUNG VON ERDBEBENDATEN | UNITÉ TERRESTRE POUR L'ACQUISITION DE DONNÉES SISMIQUES	EP2009750907	03/19/2009	2281211	12/16/2015
European Union	DECK CONFIGURATION FOR OCEAN BOTTOM SEISMOMETER	EP2006752003	05/02/2006	EP1877302A4	08/24/2016

	LAUNCH PLATFORMS | DECKKONFIGURATION VON AUSBRINGPLATTFORMEN FÜR OCEAN-BOTTOM-SEISMOMETER | CONFIGURATION DE PONT DESTINEE A DES PLATES-FORMES D'INSTALLATION DE SEISMOMETRES SUR LE PLANCHER OCEANIQUE				
European Union	METHOD AND APPARATUS FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS | VERFAHREN UND VORRICHTUNG ZUR ANWENDUNG VON SEISMOMETERN AUF DEM MEERESGRUND | PROCEDE ET APPAREIL DESTINES AU DEPLOIEMENT DE SEISMOMETRES AU FOND DE L'OCEAN	EP2006718632	01/17/2006	EP1846288	12/11/2013
Mexico	METHOD AND APPARATUS FOR LAND BASED SEISMIC DATA ACQUISITION	MX2006008582	09/21/2004	273787	02/02/2010
Mexico	METHOD AND APPARATUS FOR SEISMIC DATA ACQUISITION	MX2007003290	09/21/2004	286947	05/26/2011
Mexico	COUPLING RING, METHODS, AND APPLICATIONS	MX2014012202	04/08/2013	MX343618B	12/14/2016
Mexico	COUPLER/COUPLING RING ASSEMBLY, METHODS, AND APPLICATIONS	MX2014012203	04/08/2013	MX342247B	Oct 26, 2016
Mexico	COUPLER, METHODS, AND APPLICATIONS.	MX2014012204	04/08/2013	MX340778B	08/15/2016
Mexico	LAND BASED UNIT FOR	MX2015005521	11/01/2013	345048	01/16/2017

	SEISMIC DATA ACQUISITION.	9			
Mexico	WIRELESS MONITORING DEVICE.	MX200601133 1	03/22/2005	MXPA06 011331	09/25/2009
New Zealand	PAYLOAD CONTROL APPARATUS, METHOD, AND APPLICATIONS	NZ707032	10/16/2013	NZ70703 2B	04/28/2017
Russia	CONNECTING RING, METHODS AND APPLICATIONS	RU2014142798	04/08/2013	RU26286 64C2	08/21/2017
Russia	COUPLING/CONNECTIN G RING ASSEMBLY, METHODS AND APPLICATIONS	RU2014142800	04/08/2013	RU26389 03C2	12/18/2017
United States	Apparatus for and Method of Synchronising Oscillators Within a Data Communication System	US09/530625	10/06/2000	6701133	03/02/2004
United States	Method and apparatus for seismic data acquisition	US10/448547	05/30/2003	7310287	12/18/2007
United States	Method and system for transmission of seismic data	US10/719800	11/21/2003	7124028	10/17/2006
United States	Method and apparatus for land based seismic data acquisition	US10/766253	01/28/2004	7561493	12/23/2004
United States	Ocean bottom seismometer package with distributed geophones	US10/848293	05/18/2004	7254093	08/07/2007
United States	Method and apparatus for deployment of ocean bottom seismometers	US11/037031	01/17/2005	8534959	09/17/2013
United States	Deck configuration for ocean bottom seismometer launch platforms	US11/120074	05/02/2005	8127706	03/06/2012
United States	Method and Apparatus for Seismic Data Acquisition	US11/257836	10/25/2005	7286442	10/23/2007
United States	Method and system for the transmission of seismic data	US11/438168	05/22/2006	7983847	07/19/2011
United States	Method and Apparatus for Seismic Data Acquisition	US11/592584	11/03/2006	7724607	05/25/2010
United States	Method and apparatus for deployment of ocean bottom seismometers	US11/711353	02/27/2007	8075226	12/13/2011
United States	SEISMIC SENSOR TRANSFER DEVICE	US11/843965	08/23/2007	7632043	12/15/2009
United	Deck configuration for	US11/899859	09/07/2007	7765947	08/30/2010

States	ocean bottom seismometer launch platforms				
United States	Method and apparatus for correcting the timing function in a nodal seismic data acquisition unit	US11/977580	10/25/2007	8605543	12/10/2013
United States	Marine Vassel Working Deck for Handling of Shallow Water Ocean Bottom Seismometers	US12/004817	12/21/2007	7804737	09/28/2010
United States	Breakaway Deployment Cable for Underwater Seismic Recording Systems	US12/004916	12/21/2007	7602667	10/13/2009
United States	Method for Retrieval of Seismic Data Acquisition Units	US12/004918	12/21/2007	7649803	01/19/2010
United States	Land Based Unit for Seismic Data Acquisition	US12/154413	05/22/2008	8611191	12/17/2013
United States	NODE STORAGE, DEPLOYMENT AND RETRIEVAL SYSTEM	US12/165234	06/30/2008	7883292	02/08/2001
United States	POWERED SHEAVE FOR NODE DEPLOYMENT AND RETRIEVAL	US12/199725	08/27/2008	8087848	01/03/2012
United States	CONNECTOR FOR SEISMIC CABLE	US12/203791	09/03/2008	7933165	04/26/2011
United States	SEISMIC CABLE WITH ADJUSTABLE BUOYANCY	US12/203803	09/03/2008	8226328	07/24/2012
United States	Method for Correcting Seismic Data Timing Functions Utilizing Orientation Data	US12/220518	07/25/2008	7668047	02/23/2010
United States	MULTIPLE RECEIVER LINE DEPLOYMENT AND RECOVERY	US12/343136	12/23/2008	8310899	11/13/2012
United States	Method and system for transmission of seismic data	US12/381606	03/13/2009	8228759	07/24/2012
United States	APPARATUS FOR SEISMIC DATA ACQUISITION	US12/547478	08/25/2009	7986589	07/26/2011
United States	STORAGE SYSTEM AND METHOD FOR SEISMIC DATA ACQUISITION UNITS	US12/781586	05/17/2010	8050140	11/01/2011
United	Storage and Management	US12/838599	07/19/2010	8619495	12/31/2013

States	System for Seismic Data Acquisition Units				
United States	Deployment and Retrieval Method for Shallow Water Ocean Bottom Seismometers	US12/838859	07/19/2010	7990803	08/02/2011
United States	APPARATUS FOR CORRECTING THE TIMING FUNCTION IN A NODAL SEISMIC DATA ACQUISITION UNIT	US12/907713	10/19/2010	9465124	10/11/2016
United States	NODE STORAGE, DEPLOYMENT AND RETRIEVAL SYSTEM	US13/011714	01/21/2011	8172480	05/08/2012
United States	Method For Transmission Of Seismic Data	US13/035665	02/25/2011	8296068	10/23/2012
United States	OCEAN BOTTOM SEISMIC SENSOR DEPLOYMENT VEHICLE	US13/038296	03/01/2011	8579545	11/12/2013
United States	Ocean Bottom Seismometer Package	US13/166586	06/22/2011	8228761	07/24/2012
United States	DEPLOYMENT METHOD FOR OCEAN BOTTOM SEISMOMETERS	US13/195198	08/01/2011	8632274	01/21/2014
United States	Apparatus for Deployment of Ocean Bottom Seismometers	US13/290272	11/07/2011	8556540	10/15/2013
United States	Method for Deployment of Ocean Bottom Seismometers	US13/290748	11/07/2011	8705314	04/22/2014
United States	Method for Transmission of Seismic Data	US13/296329	11/15/2011	8605547	12/10/2013
United States	POWERED SHEAVE FOR NODE DEPLOYMENT AND RETRIEVAL	US13/341701	12/30/2011	8328467	12/11/2012
United States	COUPLER, METHODS, AND APPLICATIONS	US13/442045	04/09/2012	9003612	04/14/2015
United States	COUPLING RING , METHODS AND APPLICATIONS	US13/442064	04/09/2012	8966718	03/03/2015
United States	COUPLER/ COUPLING RING ASSEMBLY, METHODS, AND APPLICATIONS	US13/442074	04/09/2012	9256002	02/09/2016
United States	METHOD AND SYSTEM FOR TRANSMISSION OF	US13/531187	06/22/2012	8681584	03/25/2014

	SEISMIC DATA				
United States	SEISMIC CABLE WITH ADJUSTABLE BUOYANCY	US13/538944	06/29/2012	8496407	07/30/2013
United States	OCEAN BOTTOM SEISMOMETER PACKAGE	US13/565445	08/02/2012	8879362	11/04/2014
United States	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA	US13/569990	08/08/2012	8644111	02/04/2014
United States	MULTIPLE RECEIVER LINE DEPLOYMENT AND RECOVERY	US13/671645	11/08/2012	8611181	12/17/2013
United States	POWERED SHEAVE FOR NODE DEPLOYMENT AND RETRIEVAL	US13/710246	12/10/2012	8801328	08/12/2014
United States	BATTERY CAPACITY AND DURABILITY PREDICTION METHOD	US13/790284	03/08/2013	9465078	10/11/2016
United States	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION	US13/803339	03/14/2013	9720116	08/01/2017
United States	HIGH-BANDWITH UNDERWATER DATA COMMUNICATION SYSTEM	US13/843942	03/15/2013	9490910	11/08/2016
United States	APPARATUS FOR SEISMIC DATA ACQUISITION	US13/952135	07/26/2013	RE45268	12/02/2014
United States	SEISMIC CABLE WITH ADJUSTABLE BUOYANCY	US13/952205	07/26/2013	8864416	10/21/2014
United States	LAND BASED SEISMIC DATA ACQUISITION UNIT	US14/089161	11/25/2013	9562984	02/07/2017
United States	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA	US14/100916	12/09/2013	9459360	10/04/2016
United States	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA	US14/100940	12/09/2013	8867309	10/21/2014
United States	MULTIPLE RECEIVER LINE DEPLOYMENT AND RECOVERY	US14/106478	12/13/2013	9645271	05/09/2017
United States	LAND BASED UNIT FOR SEISMIC DATA	US14/108199	12/16/2013	9488743	11/08/2016

	ACQUISITION				
United States	METHOD AND SYSTEM FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS	US14/158604	01/17/2014	9630961	04/25/2017
United States	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA	US14/218175	03/18/2014	9470809	10/18/2016
United States	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA	US14/218386	03/18/2014	9500757	11/22/2016
United States	Method and System for Transmission of Seismic Data	US14/258620	04/22/2014	8873335	10/28/2014
United States	Method and System for Transmission of Seismic Data	US14/258654	04/22/2014	8867310	10/21/2014
United States	Method and System for Transmission of Seismic Data	US14/261102	04/24/2014	8873336	10/28/2014
United States	Method and System for Transmission of Seismic Data	US14/273303	05/08/2014	8885441	11/11/2014
United States	Method and Systems for Transmission of Seismic Data	US14/280318	05/16/2014	8879356	11/04/2014
United States	PAYLOAD CONTROL APPARATUS, METHOD, AND APPLICATIONS	US14/436105	10/16/2013	9834417	12/05/2017
United States	Capture and Dockin Apparatus, Method, and Applications	US14/438689	04/27/2015	9487280	11/08/2016
United States	POWERED SHEAVE FOR NODE DEPLOYMENT AND RETRIEVAL	US14/457480	08/12/2014	9475552	10/25/2016
United States	SEISMIC CABLE WITH ADJUSTABLE BUOYANCY	US14/520152	10/21/2014	9405030	08/02/2016
United States	OCEAN BOTTOM SEISMOMETER PACKAGE	US14/526333	10/28/2014	9829594	11/28/2017
United States	DELIVERY AND RECOVERY APPARATUS, METHOD, AND APPLICATIONS	US14/652262	12/10/2013	9753169	09/05/2017
United	CAPTURE AND	US14/708554	05/11/2015	9415848	08/16/2016

States	DOCKING APPARATUS, METHOD, AND APPLICATIONS				
United States	ITEM STORAGE, DISPENSING, AND RECEIVING SYSTEM, APPARATUS, METHODS, AND APPLICATIONS	US14/772859	03/06/2014	9,694,974	07/04/2017
United States	Autonomous Underwater Vehicle Hover Apparatus, Method, and Applications	US14/774766	03/07/2014	9873494	01/23/2018
United States	LOADING A HELICAL CONVEYOR FOR UNDERWATER SEISMIC EXPLORATION	US15/088049	03/31/2016	9841522	12/12/2017
United States	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM	US15/237106	08/15/2016	9825713	11/21/2017
United States	OCEAN BOTTOM SEISMOMETER PACKAGE	US15/458577	3/14/2017	9829589	11/28/2017

2. Patent Applications

Country	Patent Title	Application No.	Filing Date	Patent No.	Issue Date
Australia	Land based unit for seismic data acquisition	AU2017201589	03/08/2017		
Australia	High-bandwidth underwater data communication system	AU2017261530	11/15/2017		
Brazil	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION	BR1120170265036	3/30/2017		
Brazil	APARELHO DE CONTROLE DE CARGA ÚTIL, MÉTODO E APLICAÇÕES	BR112015008677	10/16/2013		
Brazil	UNIDADE TERRESTRE PARA AQUISIÇÃO DE DADOS SÍSMICOS	BR112015009853	11/01/2013		

Brazil	APARELHO DE ENTREGA E RECUPERAÇÃO, MÉTODO, E APLICAÇÕES	BR112015013937	12/10/2013
Brazil	sistema, aparelho, métodos e aplicações de armazenamento, distribuição e recepção de produto	BR112015021580	03/06/2014
Brazil	OPTICAL LINK MANAGEMENT	BR1120170267535	04/25/2017
Brazil	BACK DECK AUTOMATION	BR1120180099589	11/16/2016 (Abandoned)
Canada	COUPLER, METHODS, AND APPLICATIONS | COUPLEUR, PROCEDES, ET APPLICATIONS	CA2869962	04/08/2013
Canada	COUPLING RING, METHODS, AND APPLICATIONS | BAGUE D'ACCOUPLEMENT, PROCEDES, ET APPLICATIONS	CA2869965	04/08/2013
Canada	COUPLER/COUPLING RING ASSEMBLY, METHODS, AND APPLICATIONS | ENSEMBLE COUPLEUR/BAGUE D'ACCOUPLEMENT, PROCEDES, ET APPLICATIONS	CA2869966	04/08/2013
Canada	CAPTURE AND DOCKING APPARATUS, METHOD, AND APPLICATIONS | APPAREIL DE CAPTURE ET D'ACCOSTAGE, PROCEDE ASSOCIE ET APPLICATIONS	CA2886884	11/26/2013

Canada	METHOD AND APPARATUS FOR SEISMIC DATA ACQUISITION | PROCEDE ET APPAREIL D'ACQUISITION DE DONNEES SISMIQUES	CA2887400	09/21/2004
Canada	PAYLOAD CONTROL APPARATUS, METHOD, AND APPLICATIONS | APPAREIL DE GESTION D'UNE CHARGE UTILE, PROCEDE ET APPLICATIONS	CA2888446	10/16/2013
Canada	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION | UNITE BASEE SUR TERRE POUR ACQUISITION DE DONNEES SISMIQUES	CA2890209	11/01/2013
Canada	DELIVERY AND RECOVERY APPARATUS, METHOD, AND APPLICATIONS | APPAREIL DE DISTRIBUTION ET DE RECUPERATION, PROCEDE ET APPLICATIONS	CA2895159	12/10/2013
Canada	ITEM STORAGE, DISPENSING, AND RECEIVING SYSTEM, APPARATUS, METHODS, AND APPLICATIONS | SYSTEME DE STOCKAGE, DE DISTRIBUTION ET DE RECEPTION D'ARTICLE, APPAREIL, PROCEDES	CA2904263	03/06/2014

	ET APPLICATIONS ASSOCIES		
Canada	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM | SYSTEME SOUS-MARIN DE COMMUNICATION DE DONNEES A LARGE BANDE PASSANTE	CA2906494	03/12/2014
Canada	MONITORING SYSTEM, COMPONENTS, METHODS, AND APPLICATIONS | SYSTEME, COMPOSANTS, PROCEDES ET APPLICATIONS DE SURVEILLANCE	CA2918319	07/18/2014
Canada	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA | PROCEDE ET SYSTEME DE TRANSMISSION DE DONNEES SISMIQUES	CA2923367	09/21/2004
Canada	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION | STRUCTURE DE PATIN POUR PROSPECTION SISMIQUE SOUS-MARINE	CA2987799	03/30/2017
Canada	OPTICAL LINK MANAGEMENT | GESTION DE LIAISON OPTIQUE	CA2988171	04/25/2017
Canada	METHOD AND APPARATUS FOR LAND BASED SEISMIC DATA ACQUISITION | METHODE ET APPAREIL POUR UNE	CA2993593	09/21/2004

	ACQUISITION DE DONNEES SISMIQUES D'ORIGINE TERRESTRE		
Canada	METHOD AND APPARATUS FOR CORRECTING THE TIMING FUNCTION IN A NODAL SEISMIC DATA ACQUISITION UNIT | PROCEDE ET APPAREIL DE CORRECTION DE LA FONCTION DE SYNCHRONISATION DANS UNE UNITE NODALE D'ACQUISITION DE DONNEES SISMIQUES	CA2996790	11/04/2008
Canada	METHOD AND APPARATUS FOR LAND BASED SEISMIC DATA ACQUISITION | METHODE ET APPAREIL POUR UNE ACQUISITION DE DONNEES SISMIQUES D'ORIGINE TERRESTRE	CA2923032	09/21/2004
China	Payload control apparatus, method, and applications | 有效负载控制设备、方法和应用	CN201380064691.5	10/16/2013
China	High-bandwidth Underwater Data Communication System | 高带宽水下数据通信系统	CN201710785328.2	03/12/2014
China	OPTICAL LINK MANAGEMENT	CN201780002568.9	04/25/2017
China	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION	CN201780002594.1	03/30/2017

Denmark	Fremgangsmåde og apparat til udlægning af havbundseismometre	DK06718632T	01/17/2006
Denmark	Landbaseret enhed til opsamling af seismiske data	DK2009750907T	03/19/2009
European Union	METHOD AND APPARATUS FOR CORRECTING THE TIMING FUNCTION IN A NODAL SEISMIC DATA ACQUISITION UNIT | VERFAHREN UND VORRICHTUNG ZUR KORREKTUR DER TIMING-FUNKTION IN EINER KNOTENEINHEIT ZUR ERFASSUNG SEISMISCHER DATEN | PROCÉDÉ ET APPAREIL DE CORRECTION DE LA FONCTION DE SYNCHRONISATION DANS UNE UNITÉ NODALE D'ACQUISITION DE DONNÉES SISMIQUES	EP2008852981	11/04/2008
European Union	COUPLER/COUPLING RING ASSEMBLY, METHODS, AND APPLICATIONS | KOPPLER/KOPPLUNGS RINGANORDNUNG, VERFAHREN UND ANWENDUNGEN | ENSEMBLE COUPLEUR/BAGUE D'ACCOUPLEMENT, PROCÉDÉS, ET APPLICATIONS	EP2013775466	04/08/2013
European Union	COUPLING RING, METHODS, AND APPLICATIONS | KUPPLUNGSRING,	EP2013775564	04/08/2013

	VERFAHREN UND ANWENDUNGEN | BAGUE D'ACCOUPLEMENT, PROCÉDÉS, ET APPLICATIONS		
European Union	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION | LANDSTATIONIERTE EINHEIT ZUR ERFASSUNG VON SEISMISCHEN DATEN | UNITÉ BASÉE SUR TERRE POUR ACQUISITION DE DONNÉES SISMIQUES	EP2013792145	11/01/2013
European Union	PAYLOAD CONTROL APPARATUS, METHOD, AND APPLICATIONS | NUTZDATENSTEUERUNGSVORRICHTUNG, VERFAHREN UND ANWENDUNGEN | APPAREIL DE GESTION D'UNE CHARGE UTILE, PROCÉDÉ ET APPLICATIONS	EP2013847441	10/16/2013
European Union	ITEM STORAGE, DISPENSING, AND RECEIVING SYSTEM, APPARATUS, METHODS, AND APPLICATIONS | ARTIKELAUFBEWAHRUNGS-, -AUSGABE- UND – EMPFANGSSYSTEM, -VORRICHTUNG, -VERFAHREN UND – ANWENDUNGEN | SYSTÈME DE STOCKAGE, DE DISTRIBUTION ET DE	EP2014760119	03/06/2014

	RÉCEPTION D'ARTICLE, APPAREIL, PROCÉDÉS ET APPLICATIONS ASSOCIÉS		
European Union	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM | UNTERWASSER-DATENKOMMUNIKATIONSSYSTEM MIT HOHER BANDBREITE | SYSTÈME SOUS-MARIN DE COMMUNICATION DE DONNÉES À LARGE BANDE PASSANTE	EP2014798429	03/12/2014
European Union	MONITORING SYSTEM, COMPONENTS, METHODS, AND APPLICATIONS | ÜBERWACHUNGSSYSTEM, KOMPONENTEN, VERFAHREN UND ANWENDUNGEN | SYSTÈME, COMPOSANTS, PROCÉDÉS ET APPLICATIONS DE SURVEILLANCE	EP2014826259	07/18/2014
European Union	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION | KUFENSTRUKTUR FÜR SEISMISCHE ERKUNDUNG UNTER WASSER | STRUCTURE DE PATIN POUR PROSPECTION SISMIQUE SOUS-MARINE	EP2017776714	03/30/2017
European Union	METHOD AND APPARATUS FOR	EP2004809786	09/21/2004

	SEISMIC DATA ACQUISITION | VERFAHREN UND VORRICHTUNG ZUR BESCHAFFUNG SEISMISCHER DATEN | PROCEDE ET APPAREIL D'ACQUISITION DE DONNEES SISMIQUES		
European Union	METHOD AND APPARATUS FOR LAND BASED SEISMIC DATA ACQUISITION | VERFAHREN UND VORRICHTUNG ZUR LANDGESTÜTZTEN SEISMISCHEN DATENBESCHAFFUNG | METHODE ET APPAREIL POUR UNE ACQUISITION DE DONNEES SISMIQUES D'ORIGINE TERRESTRE	EP2004821293	09/21/2004
European Union	DELIVERY AND RECOVERY APPARATUS, METHOD, AND APPLICATIONS | FREISETZUNGS- UND RÜCKHOLVORRICHTUNG, VERFAHREN UND ANWENDUNGEN | APPAREIL DE DISTRIBUTION ET DE RÉCUPÉRATION, PROCÉDÉ ET APPLICATIONS	EP2013862638	12/10/2013
European Union	BACK DECK AUTOMATION	EP16805646.3	11/16/2016
European Union	OPTICAL LINK MANAGEMENT	EP17722285.8	04/25/2017
European Union	SKID STRUCTURE FOR UNDERWATER SEISMIC	EP17776714.2	03/30/2017

Hong Kong	EXPLORATION METHOD AND APPARATUS FOR LAND BASED SEISMIC DATA ACQUISITION | 陸上地震數據收集的方法和儀器	HK07104109	04/19/2017
Hong Kong	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA | 地震數據的傳輸方法和系統	HK07106110	06/07/2007
Hong Kong	WIRELESS MONITORING DEVICE | 無線監測設備	HK07111448	10/24/2007
Hong Kong	METHOD AND APPARATUS FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS | 調度海底地震儀的方法和儀器	HK07111874	11/01/2007
Hong Kong	METHOD AND APPARATUS FOR SEISMIC DATA ACQUISITION | 地震數據收集的方法和儀器	HK08100285	01/09/2008
Hong Kong	DECK CONFIGURATION FOR OCEAN BOTTOM SEISMOMETER LAUNCH PLATFORMS | 海底地震儀發射台的甲板配置	HK08101129	01/29/2008
Indonesia	COUPLER/COUPLING RING ASSEMBLY, METHODS, AND APPLICATIONS	IDP00201406634	04/08/2013
Indonesia	METODE DAN PERALATAN UNTUK PENYEBARAN SEISMOMETER DI BAWAH LAUT	IDP000046276	01/17/2006
Indonesia	SKID STRUCTURE FOR UNDERWATER	PID201708812	03/30/2017

	SEISMIC EXPLORATION		
Indonesia	OPTICAL LINK MANAGEMENT	PID201708891	04/25/2017
Indonesia	BACK DECK AUTOMATION	PID201803535	11/16/2016
India	CAPTURE AND DOCKING APPARATUS METHOD AND APPLICATIONS	IN3018CHENP2015	05/25/2015
India	DELIVERY AND RECOVERY APPARATUS METHOD AND APPLICATIONS	IN3980CHENP2015	07/06/2015
India	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION	IN4498DELNP2015	
Mexico	OPTICAL LINK MANAGEMENT	MX2017016048	04/25/2017
Mexico	METHOD AND APPARATUS FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS	MX2007008695	01/17/2006
Mexico	DECK CONFIGURATION FOR OCEAN BOTTOM SEISMOMETER LAUNCH PLATFORMS	MX2007013817	05/02/2006
Mexico	PAYLOAD CONTROL APPARATUS, METHOD, AND APPLICATIONS	MX2015004860	10/16/2013
Mexico	CAPTURE AND DOCKING APPARATUS, METHOD, AND APPLICATIONS	MX2015006624	11/26/2013
Mexico	DELIVERY AND RECOVERY APPARATUS, METHOD, AND APPLICATIONS	MX2015007638	12/10/2013
Mexico	ITEM STORAGE, DISPENSING, AND RECEIVING SYSTEM,	MX2015011911	03/06/2014

	APPARATUS, METHODS, AND APPLICATIONS		
Mexico	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM	MX2015013171	09/14/2015
Mexico	MONITORING SYSTEM, COMPONENTS, METHODS, AND APPLICATIONS	MX2016000777	7/18/2014
Mexico	SEISMIC SENSOR DEPLOYMENT APPARATUS, SYSTEM METHOD, AND APPLICATIONS	MX2016008486	12/24/2014
Mexico	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION	MX2017015858	03/30/2017
PCT	METHOD AND APPARATUS FOR CORRECTING THE TIMING FUNCTION IN A NODAL SEISMIC DATA ACQUISITION UNIT | PROCÉDÉ ET APPAREIL DE CORRECTION DE LA FONCTION DE SYNCHRONISATION DANS UNE UNITÉ NODALE D'ACQUISITION DE DONNÉES SISMIQUES	PCT/IB2008/002958	11/02/2008
PCT	METHOD AND APPARATUS FOR LAND BASED SEISMIC DATA ACQUISITION | METHODE ET APPAREIL POUR UNE ACQUISITION DE DONNEES SISMIQUES D'ORIGINE TERRESTRE	PCT/US2004/030870	09/21/2004

PCT	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA | PROCEDE ET SYSTEME DE TRANSMISSION DE DONNEES SISMIQUES	PCT/US2004/030871	09/21/2004
PCT	METHOD AND APPARATUS FOR SEISMIC DATA ACQUISITION | PROCEDE ET APPAREIL D'ACQUISITION DE DONNEES SISMIQUES	PCT/US2004/030998	09/21/2004
PCT	OCEAN BOTTOM SEISMOMETER PACKAGE WITH DISTRIBUTED GEOPHONES | BOITIER DE SISMOMETRE SOUS-MARIN A GEOPHONES REPARTIS	PCT/US2004/031003	09/21/2004
PCT	WIRELESS MONITORING DEVICE | DISPOSITIF DE SURVEILLANCE SANS FIL	PCT/US2005/009380	03/22/2005
PCT	METHOD AND APPARATUS FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS | PROCEDE ET APPAREIL DESTINES AU DEPLOIEMENT DE SEISMOMETRES AU FOND DE L'OCEAN	PCT/US2006/001581	1/17/2006
PCT	DECK CONFIGURATION FOR OCEAN BOTTOM SEISMOMETER LAUNCH PLATFORMS | CONFIGURATION DE	PCT/US2006/016627	05/02/2006

	PONT DESTINEE A DES PLATES-FORMES D'INSTALLATION DE SEISMOMETRES SUR LE PLANCHER OCEANIQUE		
PCT	SEISMIC SENSOR TRANSFER DEVICE | DISPOSITIF DE TRANSFERT POUR DÉTECTEUR SISMIQUE	PCT/US2008/072469	08/07/2008
PCT	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION | UNITÉ TERRESTRE POUR L'ACQUISITION DE DONNÉES SISMIQUES	PCT/US2009/001735	03/19/2009
PCT	POWERED SHEAVE FOR NODE DEPLOYMENT AND RETRIEVAL | POULIE MÉCANIQUE UTILISÉE POUR LE DÉPLOIEMENT ET LA RÉCUPÉRATION DE DISPOSITIFS INDIVIDUELS	PCT/US2009/055232	08/27/2009
PCT	CONNECTOR FOR SEISMIC CABLE | CONNECTEUR POUR CÂBLE SISMIQUE	PCT/US2009/055536	08/31/2009
PCT	SEISMIC CABLE WITH ADJUSTABLE BUOYANCY | CÂBLE SISMIQUE AVEC FLOTTABILITÉ RÉGLABLE	PCT/US2009/055598	09/01/2009
PCT	MULTIPLE RECEIVER LINE DEPLOYMENT AND RECOVERY | DÉPLOIEMENT ET RÉCUPÉRATION D'UNE LIGNE DE RÉCEPTEURS MULTIPLES	PCT/US2009/069037	12/21/2009

PCT	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA | PROCÉDÉ ET SYSTÈME DE TRANSMISSION DE DONNÉES SISMIQUES	PCT/US2010/027049	03/11/2010
PCT	COUPLER, METHODS, AND APPLICATIONS | COUPLEUR, PROCÉDÉS, ET APPLICATIONS	PCT/US2013/035599	04/08/2013
PCT	COUPLING RING, METHODS, AND APPLICATIONS | BAGUE D'ACCOUPLEMENT, PROCÉDÉS, ET APPLICATIONS	PCT/US2013/035603	04/08/2013
PCT	COUPLER/COUPLING RING ASSEMBLY, METHODS, AND APPLICATIONS | ENSEMBLE COUPLEUR/BAGUE D'ACCOUPLEMENT, PROCÉDÉS, ET APPLICATIONS	PCT/US2013/035610	04/08/2013
PCT	PAYLOAD CONTROL APPARATUS, METHOD, AND APPLICATIONS | APPAREIL DE GESTION D'UNE CHARGE UTILE, PROCÉDÉ ET APPLICATIONS	PCT/US2013/065225	10/16/2013
PCT	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION | UNITÉ BASÉE SUR TERRE POUR ACQUISITION DE DONNÉES SISMIQUES	PCT/US2013/067938	11/01/2013
PCT	CAPTURE AND	PCT/US2013/071827	11/26/2013

	DOCKING APPARATUS, METHOD, AND APPLICATIONS | APPAREIL DE CAPTURE ET D'ACCOSTAGE, PROCÉDÉ ASSOCIÉ ET APPLICATIONS		
PCT	DELIVERY AND RECOVERY APPARATUS, METHOD, AND APPLICATIONS | APPAREIL DE DISTRIBUTION ET DE RÉCUPÉRATION, PROCÉDÉ ET APPLICATIONS	PCT/US2013/074027	12/10/2013
PCT	ITEM STORAGE, DISPENSING, AND RECEIVING SYSTEM, APPARATUS, METHODS, AND APPLICATIONS | SYSTÈME DE STOCKAGE, DE DISTRIBUTION ET DE RÉCEPTION D'ARTICLE, APPAREIL, PROCÉDÉS ET APPLICATIONS ASSOCIÉS	PCT/US2014/021180	03/06/2014
PCT	AUTONOMOUS UNDERWATER VEHICLE HOVER APPARATUS, METHOD, AND APPLICATIONS | APPAREIL, PROCÉDÉ ET APPLICATIONS DE VOL STATIONNAIRE DE VÉHICULE SOUS-MARIN AUTONOME	PCT/US2014/021978	03/07/2014
PCT	HIGH-BANDWIDTH UNDERWATER DATA	PCT/US2014/024392	03/12/2014

	COMMUNICATION SYSTEM | SYSTÈME SOUS-MARIN DE COMMUNICATION DE DONNÉES À LARGE BANDE PASSANTE		
PCT	MONITORING SYSTEM, COMPONENTS, METHODS, AND APPLICATIONS | SYSTÈME, COMPOSANTS, PROCÉDÉS ET APPLICATIONS DE SURVEILLANCE	PCT/US2014/047190	07/18/2014
PCT	SUB-SEA PAYLOAD EXCHANGE SYSTEM, APPARATUS AND METHODS | SYSTÈME, APPAREIL ET PROCÉDÉS D'ÉCHANGE SOUS-MARIN DE CHARGE UTILE	PCT/US2014/049874	08/06/2014
PCT	SUB-SEA PAYLOAD EXCHANGE SYSTEM, APPARATUS AND METHODS | SYSTÈME, APPAREIL ET PROCÉDÉS D'ÉCHANGE SOUS-MARIN DE CHARGE UTILE	PCT/US2014/072323	08/06/2014
PCT	BACK DECK AUTOMATION | AUTOMATISATION DE PONT ARRIÈRE	PCT/US2016/062287	11/16/2016
PCT	UNDERWATER SEISMIC EXPLORATION WITH A HELICAL CONVEYOR AND SKID STRUCTURE | EXPLORATION SISMIQUE SOUS-	PCT/US2017/025189	03/30/2017

	MARINE AVEC UNE STRUCTURE DE TRANSPORTEUR HÉLICOÏDAL ET DE PATIN		
PCT	LOADING A HELICAL CONVEYOR FOR UNDERWATER SEISMIC EXPLORATION | CHARGEMENT D'UN TRANSPORTEUR HÉLICOÏDAL POUR EXPLORATION SISMIQUE SOUS-MARINE	PCT/US2017/025190	03/30/2017
PCT	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION | STRUCTURE DE PATIN POUR PROSPECTION SISMIQUE SOUS-MARINE	PCT/US2017/025191	03/30/2017
PCT	HELICAL CONVEYOR FOR UNDERWATER SEISMIC EXPLORATION | TRANSPORTEUR HÉLICOÏDAL POUR PROSPECTION SISMIQUE SOUS-MARINE	PCT/US2017/025192	03/30/2017
PCT	OPTICAL LINK MANAGEMENT | GESTION DE LIAISON OPTIQUE	PCT/US2017/029414	04/25/2017
PCT	SEISMIC SURVEYS WITH OPTICAL COMMUNICATION LINKS | RELEVÉS SISMIQUES À LIAISONS DE COMMUNICATION OPTIQUES	PCT/US2017/038166	06/19/2017
PCT	SEISMIC DATA	PCT/US2018/036618	06/08/2018

	ACQUISITION UNIT		
Spain	Método y aparato para desplegar sismómetros en el fondo del océano	ES06718632T	01/17/2006
United States	INVERSE TIMING METHOD, APPARATUS, AND APPLICATIONS	US13/836886	03/15/2013
United States	METHOD AND SYSTEM FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS	US14/158601	01/17/2014
United States	Monitoring System, Components, Methods, and Applications	US14/904778	07/18/2014
United States	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM	US15/081627	03/25/2016
United States	UNDERWATER SEISMIC EXPLORATION WITH A HELICAL CONVEYOR AND SKID STRUCTURE	US15/088054	03/31/2016
United States	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION	US15/088058	03/31/2016
United States	HELICAL CONVEYOR FOR UNDERWATER SEISMIC EXPLORATION	US15/088060	03/31/2016
United States	SEISMIC SENSOR DEPLOYMENT APPARATUS, SYSTEM, METHOD, AND APPLICATIONS	US15/107629	12/24/2014
United States	CONVEYANCE SYSTEM AND METHOD FOR UNDERWATER SEISMIC EXPLORATION	US15/216067	07/21/2016
United	CONVEYANCE	US15/216085	07/21/2016

States	SYSTEM AND METHOD FOR UNDERWATER SEISMIC EXPLORATION		
United States	MULTIPLE RECEIVER LINE DEPLOYMENT AND RECOVERY	US15/235863	08/12/2016
United States	METHOD AND SYSTEM FOR TRANSMISSION OF SEISMIC DATA	US15/251677	08/30/2016
United States	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION	US15/254590	09/01/2016
United States	OPTICAL LINK MANAGEMENT	US15/286834	10/06/2016
United States	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM	US15/334486	10/26/2016
United States	BACK DECK AUTOMATION	US15/353439	11/16/2016
United States	SEISMIC DATA ACQUISITION UNIT	US15/402995	01/10/2017
United States	METHOD AND SYSTEM FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS	US15/481149	04/06/2017
United States	METHOD AND COMPUTER SYSTEM FOR DETERMINING SEISMIC NODE POSITION	US14/553172	11/25/2014
United States	OCEAN BOTTOM SEISMOMETER PACKAGE	US15/601597	05/22/2017
United States	SEISMIC SURVEYS WITH OPTICAL COMMUNICATION LINKS	US15/625708	06/16/2017
United States	SEISMIC SURVEYS WITH OPTICAL COMMUNICATION LINKS	US15/625722	06/16/2017

United States	SEISMIC SURVEYS WITH OPTICAL COMMUNICATION LINKS	US15/625730	06/16/2017
United States	METHOD AND SYSTEM FOR DEPLOYMENT OF OCEAN BOTTOM SEISMOMETERS	US15/638348	06/29/2017
United States	LAND BASED UNIT FOR SEISMIC DATA ACQUISITION	US15/638349	06/29/2017
United States	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM	US15/664697	07/31/2017
United States	HIGH-BANDWIDTH UNDERWATER DATA COMMUNICATION SYSTEM	US15/664707	07/31/2017
United States	LOADING A HELICAL CONVEYOR FOR UNDERWATER SEISMIC EXPLORATION	US15/790779	10/23/2017
United States	OCEAN BOTTOM SEISMOMETER PACKAGE	US15/601654	05/22/2017
United States	OCEAN BOTTOM SEISMOMETER PACKAGE	US15/601711	05/22/2017
United States	SEISMIC DATA ACQUISITION UNIT	US16/003226	06/08/2018
United States	SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION	US16/030299	07/09/2018
United States	CONVEYANCE SYSTEM AND METHOD FOR UNDERWATER SEISMIC EXPLORATION	US16/055913	08/06/2018
United States	CONVEYANCE SYSTEM AND METHOD FOR	US16/101616	08/13/2018

	UNDERWATER SEISMIC EXPLORATION		
United States	UNDERWATER SEISMIC EXPLORATION WITH A HELICAL CONVEYOR AND SKID STRUCTURE	US16/139873	09/24/2018
United States	SEISMIC DATA ACQUISITION UNIT	US62/517778	06/09/2017
United States	SYSTEMS AND METHODS TO LOCATE SEISMIC DATA ACQUISITION UNITS	US62/651603	04/02/2018
Vietnamese	CƠ CẤU TIẾP NHẬN, PHÂN PHỐI, SẮP XẾP HÀNG HÓA VÀ PHƯƠNG PHÁP VẬN CHUYỂN ÁP DỤNG CHO CƠ CẤU NÀY	VN1201503465	09/21/2015
United States	MODULAR SEISMIC UNIT STORAGE SYSTEM WITH GANTRY ROBOT AND CHARGING MAGAZINE	US 62/745,106	10/18/2018
United States	SYSTEMS AND METHODS TO CONTROL DISCHARGE SPEED OF AN OCEAN BOTTOM SEISMIC DATA ACQUISITION UNIT VIA A MOVING UNDERWATER VEHICLE	US 16/153,190	10/05/2018
United States	SYSTEMS AND METHODS OF COUPLING UNDERWATER VEHICLE WITH UNDERWATER SENSOR STORAGE CONTAINER	US 16/153,220	10/05/2018
United	SYSTEMS AND	US 16/153,258	10/05/2018

States	MEHTODS TO CONTROL A MOVING UNDERWATER VEHICLE RETRIEVING AN OCEAN BOTTOM SEISMIC DATA ACQUISITION UNIT		
United States	SYSTEMS AND METHODS FOR THRUSTER-POWERED TETHER MANAGEMENT SYSTEM	US 16/153,236	10/05/2018

SCHEDULE 24B

(Patents and Patent Applications to be Assigned With Grant-Back License)

This Schedule includes and incorporates all patents and applications generated from any of the applications listed herein (such as divisional applications, continuation applications, foreign counterparts, other applications claiming priority to any listed application, etc.) even if not explicitly listed below.

1. Patents

Country	Patent Title	Application No.	Filing Date	Patent No.	Issue Date
Australia	Simultaneous Shooting Nodal Acquisition Seismic Survey Methods	AU2014056666	01/07/2014	2014205666	12/07/2017
China	Simultaneous Shooting Nodal Acquisition Seismic Survey Methods | 同时爆破节点采集地震勘测方法	CN201480007780.0	01/07/2014	ZL201480007780.0	06/01/2018
Mexico	SIMULTANEOUS SHOOTING NODAL ACQUISITION SEISMIC SURVEY METHODS	MX2015008840	01/07/2014	350514	09/08/2017
Unites States	Simultaneous Shooting Nodal Acquisition Seismic Survey Methods	15/170610	06/01/2016	9,739,901	08/22/2017
United States	Simultaneous Shooting Nodal Acquisition Seismic Survey Methods	13/829210	03/14/2013	9,360,575	06/07/2016

2. Patent Applications

Country	Patent Title	Application No.	Filing Date	Patent No.	Issue Date
Australia	Simultaneous Shooting Nodal Acquisition Seismic Survey Methods	AU2017265067	11/22/2017		
Brazil	MÉTODOS DE PESQUISA DE AQUISIÇÃO SÍSMICA POR DISPAROS NODAIS SIMULTÂNEOS	BR1120150165796	01/07/2014		
Canada	SIMULTANEOUS SHOOTING NODAL ACQUISITION SEISMIC SURVEY METHODS | PROCEDES DE RELEVE SISMIQUE PAR ACQUISITION NODALE	CA2897395	01/07/2014		

	AVEC DES TIRS SIMULTANES		
Europe Union	SIMULTANEOUS SHOOTING NODAL ACQUISITION SEISMIC SURVEY METHODS | SEISMISCHE UNTERSUCHUNGSVERFAHREN MIT GLEICHZEITIGER SCHUSSKNOTENERFASSUNG | PROCÉDÉS DE RELEVÉ SISMIQUE PAR ACQUISITION NODALE AVEC DES TIRS SIMULTANÉS	EP2014737957	01/07/2014
PCT	SIMULTANEOUS SHOOTING NODAL ACQUISITION SEISMIC SURVEY METHODS | PROCÉDÉS DE RELEVÉ SISMIQUE PAR ACQUISITION NODALE AVEC DES TIRS SIMULTANÉS	PCT/US2014/010472	01/07/2017
United States	DETERMINING NODE DEPTH AND WATER COLUMN TRANSIT VELOCITY	14/864345	09/24/2015
United States	SIMULTANEOUS SHOOTING NODAL ACQUISITION SEISMIC SURVEY METHODS	15/652798	07/18/2017
United States	NEAR SURFACE IMAGING AND HAZARD DETECTION	15/966789	04/30/2018
Vietnam	PHƯƠNG PHÁP TIẾN HÀNH KHẢO SÁT ĐỊA CHẤN	VN1201502909	08/10/2015