

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7824815

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
TRINITY BAY EQUIPMENT HOLDINGS, LLC		03/01/2023
RECEIVING PARTY DATA		
Name:	JPMORGAN CHASE BANK, N.A.	
Street Address:	10 S. DEARBORN, FLOOR L2 IL1-1145	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60603	
PROPERTY NUMBERS Total: 102		
Property Type	Number	
Patent Number:	10962154	
Patent Number:	11231134	
Patent Number:	10822194	
Patent Number:	10889461	
Patent Number:	11148904	
Patent Number:	8985496	
Patent Number:	11235946	
Patent Number:	6899140	
Patent Number:	11059693	
Patent Number:	9625070	
Patent Number:	10605391	
Patent Number:	10690276	
Patent Number:	6889715	
Patent Number:	10981765	
Patent Number:	10981749	
Patent Number:	10093527	
Patent Number:	9067397	
Patent Number:	10807511	
Patent Number:	10723254	
Patent Number:	11066002	

PATENT

Property Type	Number
Patent Number:	10844976
Patent Number:	10926972
Patent Number:	11208257
Patent Number:	10781948
Patent Number:	10266093
Patent Number:	10150402
Patent Number:	10654395
Patent Number:	10207624
Patent Number:	10207625
Patent Number:	10184603
Patent Number:	10883638
Patent Number:	11028951
Patent Number:	11242948
Patent Number:	10525868
Patent Number:	10464468
Patent Number:	10870384
Patent Number:	10677394
Patent Number:	10948130
Patent Number:	11231145
Patent Number:	11204114
Patent Number:	11378207
Patent Number:	10526164
Patent Number:	10800634
Patent Number:	10670167
Patent Number:	11009152
Patent Number:	10301149
Patent Number:	10730719
Patent Number:	10694591
Patent Number:	10753512
Patent Number:	11112035
Patent Number:	11009151
Patent Number:	11209103
Patent Number:	10941015
Patent Number:	11084685
Patent Number:	10844989
Patent Number:	11085571
Patent Number:	10844990
Patent Number:	11079059

Property Type	Number
Patent Number:	10781941
Patent Number:	11079041
Patent Number:	11098835
Patent Number:	10739225
Patent Number:	11067469
Patent Number:	11237075
Patent Number:	11186462
Patent Number:	10989621
Patent Number:	11209336
Patent Number:	10787339
Patent Number:	11014775
Patent Number:	10837582
Patent Number:	11092268
Patent Number:	11098853
Patent Number:	11199287
Patent Number:	11193847
Patent Number:	11143565
Patent Number:	11142981
Patent Number:	11174967
Patent Number:	11022514
Patent Number:	11237073
Patent Number:	10982797
Patent Number:	11226057
Patent Number:	11242217
Patent Number:	11242944
Patent Number:	11156312
Patent Number:	11065669
Patent Number:	11318522
Patent Number:	11065670
Patent Number:	10955839
Patent Number:	11226618
Patent Number:	10948131
Patent Number:	11156328
Patent Number:	11090708
Patent Number:	11060943
Patent Number:	11090709
Patent Number:	11154922
Patent Number:	11175261

Property Type	Number
Patent Number:	11193615
Patent Number:	11185911
Patent Number:	11169044
Patent Number:	11186463
Patent Number:	11236851
Patent Number:	11242949

CORRESPONDENCE DATA

Fax Number: (214)220-7716

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: 2146617347

Email: sspainhour@velaw.com

Correspondent Name: SHANNON SPAINHOUR

Address Line 1: 2001 ROSS AVENUE, SUITE 3900

Address Line 2: C/O VINSON & ELKINS L.L.P.

Address Line 4: DALLAS, TEXAS 75201

NAME OF SUBMITTER:	SHANNON SPAINHOUR
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SIGNATURE:	/Shannon Spainhour/
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DATE SIGNED:	03/02/2023
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Total Attachments: 14

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PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (as it may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, this “Patent Security Agreement”) dated as of March 1, 2023, by and between **TRINITY BAY EQUIPMENT HOLDINGS, LLC**, a Delaware limited liability company (the “Grantor”), and **JPMORGAN CHASE BANK, N.A.**, in its capacity as administrative agent under the Credit Agreement (as defined below) (in such capacity, the “Administrative Agent”).

W I T N E S S E T H:

WHEREAS, the Grantor, pursuant to that certain Joinder Agreement dated as of the date hereof, is a party to that certain Amended and Restated Credit Agreement dated as of February 28, 2023 (as it may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), by and among Cactus Companies, LLC, a Delaware limited liability company (the “Borrower”), the other Loan Parties (including the Grantor) from time to time party thereto, the financial institutions from time to time party thereto as lenders (the “Lenders”) and the Administrative Agent;

WHEREAS, in connection with the Credit Agreement, and pursuant to that certain Security Agreement Supplement dated as of the date hereof, the Grantor is a party to that certain Amended and Restated Pledge and Security Agreement dated as of February 28, 2023 (as it may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), which, among other things, provides for a grant of a security interest in substantially all of the personal property and other assets of the Grantor and a pledge of the equity interests owned by the Grantor, subject to customary limitations, as security for the payment and performance of the Secured Obligations; and

WHEREAS, pursuant to the Security Agreement, the Grantor is required to execute and deliver to the Administrative Agent, on behalf of the Secured Parties, this Patent Security Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor hereby agrees as follows:

1. **DEFINED TERMS.** All initially capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement or, if not defined therein, in the Credit Agreement.

2. **GRANT OF SECURITY INTEREST IN PATENT COLLATERAL.** The Grantor hereby grants, assigns, and pledges to the Administrative Agent, on behalf of and for the ratable benefit of the Secured Parties, a continuing security interest (referred to in this Patent Security Agreement as the “Security Interest”) in all of the Grantor’s right, title and interest in and to the following, whether now owned or hereafter acquired or arising (collectively, the “Patent Collateral”):

(a) any and all letters patent and patent applications owned by the Grantor, including those referred to on Schedule I attached hereto;

(b) all licenses of the foregoing to which the Grantor is a party, whether as licensee or licensor;

(c) all divisionals, reversions, continuations, continuations-in-part, reissues, reexaminations, renewals and extensions of the foregoing;

(d) all income, royalties, proceeds and Liabilities at any time due or payable or asserted under or with respect to any of the foregoing;

(e) all rights of the Grantor against third parties to sue or recover at law or in equity for any past, present or future infringement, misappropriation, dilution, violation or other impairment thereof; and

(f) all rights corresponding to any of the foregoing throughout the world.

Notwithstanding the foregoing, the grant, assignment and pledge of a security interest as provided herein shall not include any property of the Grantor to the extent such property constitutes an Excluded Asset at such time.

3. SECURITY FOR SECURED OBLIGATIONS. This Patent Security Agreement and the Security Interest created hereby secures the payment and performance of the Secured Obligations, whether now existing or arising hereafter. Without limiting the generality of the foregoing, this Patent Security Agreement secures the payment of all amounts which constitute part of the Secured Obligations and would be owed by the Loan Parties, or any of them, to the Administrative Agent and the other Secured Parties, whether or not they are unenforceable or not allowable due to the existence of a Bankruptcy Event involving any Loan Party.

4. SECURITY AGREEMENT. The Security Interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interests granted to the Administrative Agent, on behalf of the Secured Parties, pursuant to the Security Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent and the other Secured Parties with respect to the Security Interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Patent Security Agreement and the Security Agreement, the Security Agreement shall control.

5. AUTHORIZATION TO SUPPLEMENT. If the Grantor shall obtain rights to any new patents, the provisions of this Patent Security Agreement shall automatically apply thereto. The Grantor shall give notice in writing to the Administrative Agent with respect to any such new patents or renewal or extension of any patent in accordance with Section 4.7 of the Security Agreement. Without limiting the Grantor's obligations under this Section, the Grantor hereby authorizes the Administrative Agent unilaterally to modify this Patent Security Agreement by amending Schedule I to include any such new patent rights of the Grantor in accordance with

Section 4.7 of the Security Agreement and to the extent not constituting an Excluded Asset at such time. Notwithstanding the foregoing, no failure to so modify this Patent Security Agreement or amend Schedule I shall in any way affect, invalidate or detract from the Administrative Agent's or the other Secured Parties' continuing security interest in all Collateral (including the Patent Collateral), whether or not listed on Schedule I.

6. COUNTERPARTS. This Patent Security Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same Patent Security Agreement. Delivery of an executed counterpart of this Patent Security Agreement by telefacsimile or other electronic method of transmission shall be equally as effective as delivery of an original executed counterpart of this Patent Security Agreement. Any party delivering an executed counterpart of this Patent Security Agreement by telefacsimile or other electronic method of transmission also shall deliver an original executed counterpart of this Patent Security Agreement but the failure to deliver an original executed counterpart shall not affect the validity, enforceability, and binding effect of this Patent Security Agreement.

7. RELEASE. Upon the consummation of any disposition of Patent Collateral to any third party pursuant to a transaction permitted by the terms of the Credit Agreement and as requested by the Grantor, the Administrative Agent shall execute and deliver to the Grantor upon receipt of an officer's certificate certifying that such disposition, transaction or event was permitted thereunder, all documents that the Grantor shall reasonably request to evidence such termination of security interest or release, and shall file (or authorize the Grantor or its designee to file) any termination statements under applicable law, including filings with the United States Patent and Trademark Office.

8. GOVERNING LAW. **THIS AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE CONSTRUED IN ACCORDANCE WITH AND BE GOVERNED BY THE LAWS OF THE STATE OF TEXAS AND, TO THE EXTENT CONTROLLING, LAWS OF THE UNITED STATES OF AMERICA, EXCEPT TO THE EXTENT THAT THE LAWS OF ANY STATE IN WHICH ANY OF THE COLLATERAL IS LOCATED NECESSARILY GOVERNS THE VALIDITY, PERFECTION, PRIORITY AND ENFORCEABILITY, AND THE EXERCISE OF ANY REMEDIES WITH RESPECT TO ANY LIEN OR SECURITY INTEREST INTENDED TO BE CREATED OR GRANTED HEREBY ON COLLATERAL LOCATED IN SUCH STATE.**

[Signature Pages Follow]

IN WITNESS WHEREOF, the Grantor and the Administrative Agent have executed this Agreement as of the date first above written.

GRANTOR:

**TRINITY BAY EQUIPMENT HOLDINGS,
LLC**

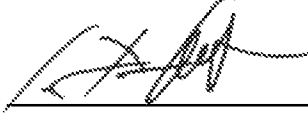
By: 
Name: Stephen Tadlock
Title: Vice President

[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT]

PATENT
REEL: 062926 FRAME: 0467

ADMINISTRATIVE AGENT:

JPMORGAN CHASE BANK, N.A.

By: 

Name: J. Devin Mock

Title: Authorized Officer

SCHEDULE I
to
PATENT SECURITY AGREEMENT

Patents

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
Trinity Bay Equipment Holdings, LLC	CONNECTOR FOR PIPES	United States of America	2021-03-30	10,962,154	Granted
Trinity Bay Equipment Holdings, LLC	CONNECTOR FOR PIPES	United States of America	2022-01-25	11,231,134	Granted
Trinity Bay Equipment Holdings, LLC	EXPANDABLE COIL DEPLOYMENT SYSTEM FOR DRUM ASSEMBLY AND METHOD OF USING SAME	United States of America	2020-11-03	10,822,194	Granted
Trinity Bay Equipment Holdings, LLC	EXPANDABLE COIL DEPLOYMENT SYSTEM FOR DRUM ASSEMBLY AND METHOD OF USING SAME	United States of America	2021-01-12	10,889,461	Granted
Trinity Bay Equipment Holdings, LLC	EXPANDABLE COIL DEPLOYMENT SYSTEM FOR DRUM ASSEMBLY AND METHOD OF USING SAME	United States of America	2021-10-19	11,148,904	Granted
Trinity Bay Equipment Holdings, LLC	EXPANDABLE DRUM ASSEMBLY FOR DEPLOYING COILED PIPE	United States of America	2015-03-24	8,985,496	Granted
Trinity Bay Equipment Holdings, LLC	EXPANDABLE DRUM ASSEMBLY FOR DEPLOYING COILED PIPE AND METHOD OF USING SAME	United States of America	2022-02-01	11,235,946	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
Trinity Bay Equipment Holdings, LLC	FLEXIBLE PIPE AND METHOD OF MANUFACTURING SAME USING METAL REINFORCED TAPE	United States of America	2005-05-31	6,899,140	Granted
Trinity Bay Equipment Holdings, LLC	FLEXIBLE PIPE HANDLING SYSTEM AND METHOD OF USING SAME	United States of America	2021-07-13	11,059,693	Granted
Trinity Bay Equipment Holdings, LLC	FLEXIBLE PIPE JOINT	United States of America	2017-04-18	9,625,070	Granted
Trinity Bay Equipment Holdings, LLC	FLEXIBLE PIPE JOINT	United States of America	2020-03-31	10,605,391	Granted
Trinity Bay Equipment Holdings, LLC	FLEXIBLE PIPE JOINT	United States of America	2020-06-23	10,690,276	Granted
Trinity Bay Equipment Holdings, LLC	FLEXIBLE TUBULAR MEMBER WITH SEALED TAPE LAYER	United States of America	2005-05-10	6,889,715	Granted
Trinity Bay Equipment Holdings, LLC	HALF-MOON LIFTING DEVICE	United States of America	2021-04-20	10,981,765	Granted
Trinity Bay Equipment Holdings, LLC	HALF-MOON LIFTING DEVICE	United States of America	2021-04-20	10,981,749	Granted
Trinity Bay Equipment Holdings, LLC	HALF-MOON LIFTING DEVICES	United States of America	2018-10-09	10,093,527	Granted
Trinity Bay Equipment Holdings, LLC	HYBRID PIPE DESIGN AND METHOD OF MANUFACTURE	United States of America	2015-06-30	9,067,397	Granted
Trinity Bay Equipment Holdings, LLC	INSTALLATION TRAILER FOR COILED FLEXIBLE PIPE AND METHOD OF UTILIZING SAME	United States of America	2020-10-20	10,807,511	Granted
Trinity Bay Equipment Holdings, LLC	INSTALLATION TRAILER FOR COILED FLEXIBLE	United States of America	2020-07-28	10,723,254	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
	PIPE AND METHOD OF UTILIZING SAME				
Trinity Bay Equipment Holdings, LLC	INSTALLATION TRAILER FOR COILED FLEXIBLE PIPE AND METHOD OF UTILIZING SAME	United States of America	2021-07-20	11,066,002	Granted
Trinity Bay Equipment Holdings, LLC	METHODS AND APPARATUS FOR PULLING FLEXIBLE PIPE	United States of America	2020-11-24	10,844,976	Granted
Trinity Bay Equipment Holdings, LLC	MOBILE CRADLE FRAME FOR PIPE REEL	United States of America	2021-02-23	10,926,972	Granted
Trinity Bay Equipment Holdings, LLC	PIPE COIL SKID WITH SIDE RAILS AND METHOD OF USE	United States of America	2021-12-28	11,208,257	Granted
Trinity Bay Equipment Holdings, LLC	PIPE CONNECTOR WITH ANNULAR COMMUNICATION	United States of America	2020-09-22	10,781,948	Granted
Trinity Bay Equipment Holdings, LLC	PIPE DEPLOYMENT TRAILER	United States of America	2019-04-23	10,266,093	Granted
Trinity Bay Equipment Holdings, LLC	PIPE DEPLOYMENT TRAILER	United States of America	2018-12-11	10,150,402	Granted
Trinity Bay Equipment Holdings, LLC	PIPE DEPLOYMENT TRAILER	United States of America	2020-05-19	10,654,395	Granted
Trinity Bay Equipment Holdings, LLC	PIPE DEPLOYMENT TRAILER	United States of America	2019-02-19	10,207,624	Granted
Trinity Bay Equipment Holdings, LLC	PIPE DEPLOYMENT TRAILER	United States of America	2019-02-19	10,207,625	Granted
Trinity Bay Equipment Holdings, LLC	PIPE END FITTING WITH IMPROVED VENTING	United States of America	2019-01-22	10,184,603	Granted
Trinity Bay Equipment Holdings, LLC	PIPE END FITTING WITH IMPROVED VENTING	United States of America	2021-01-05	10,883,638	Granted
Trinity Bay Equipment Holdings, LLC	PIPE END FITTING WITH IMPROVED VENTING	United States of America	2021-06-08	11,028,951	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
Trinity Bay Equipment Holdings, LLC	POTTED PIPE FITTING SYSTEMS AND METHODS	United States of America	2022-02-08	11,242,948	Granted
Trinity Bay Equipment Holdings, LLC	PROTECTOR ASSEMBLY FOR FLEXIBLE PIPE COILS AND METHOD OF USING SAME	United States of America	2020-01-07	10,525,868	Granted
Trinity Bay Equipment Holdings, LLC	PROTECTOR ASSEMBLY FOR FLEXIBLE PIPE COILS AND METHOD OF USING SAME	United States of America	2019-11-05	10,464,468	Granted
Trinity Bay Equipment Holdings, LLC	PROTECTOR ASSEMBLY FOR FLEXIBLE PIPE COILS AND METHOD OF USING SAME	United States of America	2020-12-22	10,870,384	Granted
Trinity Bay Equipment Holdings, LLC	REAL TIME INTEGRITY MONITORING OF ON-SHORE PIPES	United States of America	2020-06-09	10,677,394	Granted
Trinity Bay Equipment Holdings, LLC	REAL TIME INTEGRITY MONITORING OF ON-SHORE PIPES	United States of America	2021-03-16	10,948,130	Granted
Trinity Bay Equipment Holdings, LLC	REAL TIME INTEGRITY MONITORING OF ON-SHORE PIPES	United States of America	2022-01-25	11,231,145	Granted
Trinity Bay Equipment Holdings, LLC	REUSABLE PIPE FITTING SYSTEMS AND METHODS	United States of America	2021-12-21	11,204,114	Granted
Trinity Bay Equipment Holdings, LLC	SWAGED PIPE FITTING SYSTEMS AND METHODS	United States of America	2022-07-05	11,378,207	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR A FLEXIBLE PIPE CONTAINMENT SLED	United States of America	2020-01-07	10,526,164	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR A FLEXIBLE PIPE	United States of America	2020-10-13	10,800,634	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
	CONTAINMENT SLED				
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR DEPLOYING COILS OF SPOOLABLE PIPE	United States of America	2020-06-02	10,670,167	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR DEPLOYING COILS OF SPOOLABLE PIPE	United States of America	2021-05-18	11,009,152	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR HANDLING REEL OF PIPE	United States of America	2019-05-28	10,301,149	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR HANDLING REEL OF PIPE	United States of America	2020-08-04	10,730,719	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR HEATING AND RE-ROUNDING SPOOLABLE PIPE	United States of America	2020-06-23	10,694,591	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR SECURING FITTINGS TO FLEXIBLE PIPE	United States of America	2020-08-25	10,753,512	Granted
Trinity Bay Equipment Holdings, LLC	SYSTEM AND METHOD FOR SECURING FITTINGS TO FLEXIBLE PIPE	United States of America	2021-09-07	11,112,035	Granted
Trinity Bay Equipment Holdings, LLC	Vertical Pipe Deployment System And Method	United States of America	05/18/2021	11,009,151	Granted
Trinity Bay Equipment Holdings, LLC	Vertical Pipe Deployment System and Method	United States of America	12/28/2021	11,209,103	Granted
Trinity Bay Equipment Holdings, LLC	Reel System And Method	United States of America	03/09/2021	10,941,015	Granted
Trinity Bay Equipment Holdings, LLC	Reel System and Method	United States of America	08/10/2021	11,084,685	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
Trinity Bay Equipment Holdings, LLC	Sealing Plug System	United States of America	11/24/2020	10,844,989	Granted
Trinity Bay Equipment Holdings, LLC	Sealing Plug System	United States of America	08/10/2021	11,085,571	Granted
Trinity Bay Equipment Holdings, LLC	Repair System and Method	United States of America	11/24/2020	10,844,990	Granted
Trinity Bay Equipment Holdings, LLC	Repair System and Method	United States of America	08/03/2021	11,079,059	Granted
Trinity Bay Equipment Holdings, LLC	Pipeline Retainer Stake Systems And Methods	United States of America	09/22/2020	10,781,941	Granted
Trinity Bay Equipment Holdings, LLC	Pipeline Retainer Stake Systems And Methods	United States of America	08/03/2021	11,079,041	Granted
Trinity Bay Equipment Holdings, LLC	Seal System and Method	United States of America	08/24/2021	11,098,835	Granted
Trinity Bay Equipment Holdings, LLC	Reusable Pipe Integrity Test Head Systems And Methods	United States of America	08/11/2020	10,739,225	Granted
Trinity Bay Equipment Holdings, LLC	Reusable Pipe Integrity Test Head Systems And Methods	United States of America	07/20/2021	11,067,469	Granted
Trinity Bay Equipment Holdings, LLC	Reusable Pipe Integrity Test Head Systems And Methods	United States of America	02/01/2022	11,237,075	Granted
Trinity Bay Equipment Holdings, LLC	Inflatable Pipe Drum Systems And Methods	United States of America	11/30/2021	11,186,462	Granted
Trinity Bay Equipment Holdings, LLC	Online Pipe Integrity Testing System and Method	United States of America	04/27/2021	10,989,621	Granted
Trinity Bay Equipment Holdings, LLC	Online Pipe Integrity Testing System and Method	United States of America	12/28/2021	11,209,336	Granted
Trinity Bay Equipment Holdings, LLC	Pipe Deployment Reel Adapter Shaft Systems And Methods	United States of America	09/29/2020	10,787,339	Granted
Trinity Bay Equipment Holdings, LLC	Pipe Deployment Reel Adapter Shaft Systems And Methods	United States of America	05/25/2021	11,014,775	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
Trinity Bay Equipment Holdings, LLC	Wedged Protrusion Profile Fitting Seal Systems And Methods	United States of America	11/17/2020	10,837,582	Granted
Trinity Bay Equipment Holdings, LLC	Wedged Protrusion Profile Fitting Seal Systems And Methods	United States of America	08/17/2021	11,092,268	Granted
Trinity Bay Equipment Holdings, LLC	Pipeline Supplemental Containment Wall Systems and Methods	United States of America	08/24/2021	11,098,853	Granted
Trinity Bay Equipment Holdings, LLC	Multi-Layer Pipe Tubing Repair Systems And Methods	United States of America	12/14/2021	11,199,287	Granted
Trinity Bay Equipment Holdings, LLC	Pipeline Breach Location Detection Systems And Methods	United States of America	12/07/2021	11,193,847	Granted
Trinity Bay Equipment Holdings, LLC	Reusable Pipe Integrity Test Head Systems And Methods	United States of America	10/12/2021	11,143,565	Granted
Trinity Bay Equipment Holdings, LLC	Pipe Pull Head Systems And Methods	United States of America	10/12/2021	11,142,981	Granted
Trinity Bay Equipment Holdings, LLC	Ripper Shank Trailer Hitch Systems And Methods	United States of America	11/16/2021	11,174,967	Granted
Trinity Bay Equipment Holdings, LLC	Embedded Return Wire Time Domain Reflectometry Pipeline Fault Detection Systems And Methods	United States of America	06/01/2021	11,022,514	Granted
Trinity Bay Equipment Holdings, LLC	Embedded Return Wire Time Domain Reflectometry Pipeline Fault Detection Systems And Methods	United States of America	02/01/2022	11,237,073	Granted
Trinity Bay Equipment Holdings, LLC	Multiple Tubing Annuli Pipeline Systems And Methods	United States of America	04/20/2021	10,982,797	Granted
Trinity Bay Equipment Holdings, LLC	Multiple Tubing Annuli Pipeline Systems And Methods	United States of America	01/18/2022	11,226,057	Granted
Trinity Bay Equipment Holdings, LLC	Pipe Spooling Deployment Equipment Systems And Methods	United States of America	02/08/2022	11,242,217	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
Trinity Bay Equipment Holdings, LLC	Mid-Pipe Pulling Device Systems And Methods	United States of America	02/08/2022	11,242,944	Granted
Trinity Bay Equipment Holdings, LLC	Improved Tensile Capacity Electrofusion Pipeline Systems And Methods	United States of America	10/26/2021	11,156,312	Granted
Trinity Bay Equipment Holdings, LLC	Forward Stroke Pipe Fitting Swage Machine Systems And Methods	United States of America	07/20/2021	11,065,669	Granted
Trinity Bay Equipment Holdings, LLC	Forward Stroke Pipe Fitting Swage Machine Systems And Methods	United States of America	05/03/2022	11,318,522	Granted
Trinity Bay Equipment Holdings, LLC	Outward Direction Pipe Fitting Swage Machine Systems And Methods	United States of America	07/20/2021	11,065,670	Granted
Trinity Bay Equipment Holdings, LLC	Remotely Operated Pipe Fitting Swaging Systems and Methods	United States of America	03/23/2021	10,955,839	Granted
Trinity Bay Equipment Holdings, LLC	Remotely Operated Pipe Fitting Swaging Systems and Methods	United States of America	01/18/2022	11,226,618	Granted
Trinity Bay Equipment Holdings, LLC	Bore And Annulus Monitoring Pipe Breach Detection Systems And Methods	United States of America	03/16/2021	10,948,131	Granted
Trinity Bay Equipment Holdings, LLC	Bore And Annulus Monitoring Pipe Breach Detection Systems And Methods	United States of America	10/26/2021	11,156,328	Granted
Trinity Bay Equipment Holdings, LLC	Swage Machine Hinge Systems And Methods	United States of America	08/17/2021	11,090,708	Granted
Trinity Bay Equipment Holdings, LLC	Poly Welded Annulus Test Head Systems And Methods	United States of America	07/13/2021	11,060,943	Granted
Trinity Bay Equipment Holdings, LLC	Multiple Die Set Swage Machine Systems And Methods	United States of America	08/17/2021	11,090,709	Granted
Trinity Bay Equipment Holdings, LLC	Swage Machine Die Retainer Systems And Methods	United States of America	10/26/2021	11,154,922	Granted

<u>Grantor</u>	<u>Patent Title</u>	<u>Jurisdiction</u>	<u>Registration Date</u>	<u>Registration No.</u>	<u>Nature of Interest</u>
Trinity Bay Equipment Holdings, LLC	Pipeline Static Charge Detection and Dissipation Systems and Methods	United States of America	11/16/2021	11,175,261	Granted
Trinity Bay Equipment Holdings, LLC	Multi-Annuli Pipe Fitting Systems and Methods	United States of America	12/07/2021	11,193,615	Granted
Trinity Bay Equipment Holdings, LLC	Swage Machine Modular Grab Adapter Systems and Methods	United States of America	11/30/2021	11,185,911	Granted
Trinity Bay Equipment Holdings, LLC	Hardening Annulus Seal Test Head Systems and Methods	United States of America	11/09/2021	11,169,044	Granted
Trinity Bay Equipment Holdings, LLC	Pipe Coil Deployment Drum with Independent Paddle Movement Systems and Methods	United States of America	11/30/2021	11,186,463	Granted
Trinity Bay Equipment Holdings, LLC	Quick Connect Pipe Fitting Systems and Methods	United States of America	02/01/2022	11,236,851	Granted
Trinity Bay Equipment Holdings, LLC	Pipe Heating Systems and Methods	United States of America	02/08/2022	11,242,949	Granted