

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5890176

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRUCE L. RANDALL	12/20/2019
MICHAEL J. BROGDIN	12/21/2019
DAVID P. BRISCO	12/22/2019
RECEIVING PARTY DATA	
Name:	COILED TUBING SPECIALTIES, LLC
Street Address:	7404 SOUTH YALE AVENUE
Internal Address:	SILVER RIDGE OFFICE PARK
City:	TULSA
State/Country:	OKLAHOMA
Postal Code:	74136
PROPERTY NUMBERS Total: 3	
Property Type	Number
Patent Number:	8752651
Patent Number:	8991522
Patent Number:	9856700
CORRESPONDENCE DATA	
Fax Number:	(866)747-2595
<i>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.</i>	
Phone:	8435809057
Email:	mary.bryant@thrive-ip.com
Correspondent Name:	MARY BRYANT
Address Line 1:	5401 NETHERBY LANE
Address Line 2:	SUITE 1201
Address Line 4:	NORTH CHARLESTON, SOUTH CAROLINA 29420
ATTORNEY DOCKET NUMBER:	1237.0001
NAME OF SUBMITTER:	PETER L. BREWER
SIGNATURE:	/Peter L. Brewer/
DATE SIGNED:	12/31/2019

Total Attachments: 5

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SUPPLEMENTAL ASSIGNMENT OF PATENT RIGHTS

This SUPPLEMENTAL ASSIGNMENT OF PATENT RIGHTS (the "Assignment") is made by and between Bruce L. Randall, an individual residing in Tulsa, Oklahoma; Michael J. Brogdin, an individual residing in Amarillo, Texas; David P. Brisco, an individual residing in Duncan, Oklahoma; and Coiled Tubing Specialties, LLC, an Oklahoma limited liability corporation, ("Coiled Tubing Specialties"), and is effective as of the date signed by all Assignors below. Mr. Randall, Mr. Brogdin, Mr. Brisco, and Coiled Tubing Specialties are sometimes collectively referred to herein as the "Parties," and individually as a "Party."

RECITALS

WHEREAS,

Bruce Randall is an individual residing at 8717 South Erie Avenue, Tulsa, Oklahoma 74137;

Michael Brogdin is an individual residing at 7813 London Court, Amarillo, Texas 79119;

David Brisco is an individual residing at 7404 Hidden Creek Drive, Duncan, Oklahoma 73533;

Mr. Randall, Mr. Brogdin and Mr. Brisco (the "Assignors") together conceived of and developed certain technology related to a hydraulic jetting assembly useful for forming small, lateral boreholes off of a generally vertical wellbore, and for stimulating a production wellbore (the "Inventions");

Patent applications were filed in the United States and Canada for the Inventions, ("the Applications") as follows:

<u>Application No.</u>	<u>Title</u>	<u>Filing Date</u>
US 61/308,060	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	February 25, 2010
US 13/033,587	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	February 22, 2011
US 13/198,802	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	August 03, 2011
CA 2,732,675	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	February 25, 2011
CA 2,748,994	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	August 15, 2011

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Coiled Tubing Specialties was formed as a business outlet for developing, constructing, marketing, distributing and/or selling products including the downhole hydraulic jetting assemblies and methods in the above-referenced Applications, representing the Inventions;

Coiled Tubing Specialties has a business address at 7404 South Yale Avenue, Silver Ridge Office Park, Tulsa, Oklahoma 74136;

An Assignment of Patent Rights was previously executed by the Parties in August of 2011 in favor of Coiled Tubing Specialties, and specifically listing the Applications;

The Assignment of Patent Rights was recorded by the U.S. Patent and Trademark Office on October 13, 2011, before any of the United States or Canadian patents issued;

Since the Assignment of Patent Rights was recorded, patents have been issued by the U.S. Patent and Trademark Office and by the Canadian Intellectual Property Office for the Inventions as set out in Exhibit A;

It remains the intention of Mr. Randall, Mr. Brogdin, and Mr. Brisco, as Assignors, that patent rights in and to the Inventions, and any and all improvements thereto, shall belong to Coiled Tubing Specialties (hereinafter sometimes referred to as "Assignee"); and

The Parties wish to affirm the transfer of patent rights by executing this new ASSIGNMENT that identifies the patents that have issued from the Applications and for the Inventions (the Patent Rights").

TERMS AND CONDITIONS

NOW, THEREFORE,

In consideration of \$1.00 and other good and valuable consideration, acknowledged by Mr. Randall, Mr. Brogdin, and Mr. Brisco, to have been received in full from said Assignee:

1. Mr. Randall, Mr. Brogdin, and Mr. Brisco hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to the Applications and the Inventions and the Patent Rights; (b) in and to all rights to apply for patents on the Inventions in any and all countries pursuant to the Patent Cooperation Treaty, the International Convention for the Protection of Industrial Property, or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on the Inventions in any and all countries and groups of countries, including each and every Application filed and each and every patent granted on any application which is a division, substitution, continuation or CIP of said Applications, including the Patents listed in Exhibit A attached hereto; and (d) in and to each and every reissue or extension of any of said Patents.

2. The terms of this ASSIGNMENT shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

3. As an additional Assignor herein, Brisco Design, LLC also hereby sells, assigns, transfers and conveys to Assignee any right, title or interest that it may have (a) in and to the Applications and the Inventions; (b) in and to all rights to apply for patents on the Inventions in any and all countries pursuant to the Patent Cooperation Treaty, the International Convention for the Protection of Industrial Property,

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or otherwise; and (c) in and to any and all Applications filed and any and all Patents granted on the Inventions in any and all countries and groups of countries, including each and every application filed and each and every patent granted on any application which is a division, substitution, continuation or CIP of the Applications, including the Patents listed in Exhibit A attached hereto. Brisco Design LLC is a limited liability company formed in and doing business under the laws of the State of Oklahoma. David P. Brisco is the Managing Member of Brisco Design LLC.

4. As an additional Assignor herein, MJ Brogdin Consulting, L.P. also hereby sells, assigns, transfers and conveys to Assignee any right, title or interest that it may have (a) in and to the Applications and the Inventions; (b) in and to all rights to apply for patents on the Inventions in any and all countries pursuant to the Patent Cooperation Treaty, the International Convention for the Protection of Industrial Property, or otherwise; and (c) in and to any and all Applications filed and any and all Patents granted on the Inventions in any and all countries and groups of countries, including each and every application filed and each and every patent granted on any application which is a division, substitution, continuation or CIP of said Applications, including the Patents listed in Exhibit A attached hereto. MJ Brogdin Consulting, L.P. is a limited partnership formed in and doing business under the laws of the State of Texas, whose General Partner is MJB Management, L.L.C., a limited liability company also formed in and doing business under the laws of the State of Texas. Michael J. Brogdin is the President of MJB Management, LLC.

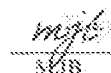
5. The Assignors agree to cooperate with Coiled Tubing Specialties to enable Assignee to enjoy to the fullest extent the right, title and interest in and to the Inventions herein conveyed in any and all countries and groups of countries. Such cooperation by the Assignors shall include prompt production of pertinent facts and documents, execution of petitions, oaths, declarations or other papers, and other assistance all to the extent deemed desirable by Coiled Tubing Specialties and its intellectual property and corporate attorneys (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said Applications; (c) for filing and prosecuting non-provisional, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for derivation or other priority proceedings involving said Patents; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patents granted thereon; provided, however, that the reasonable travel and legal expenses incurred by the Assignors herein in providing such cooperation shall be paid by Assignee.

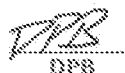
6. As part of this ASSIGNMENT, Assignors further assign to Assignee the right to sue for the infringement of any Patent herein in Assignee's name, the right to recover damages for such infringement, and the right to obtain any other relief, at law or in equity, under the patent laws of the United States and Canada.

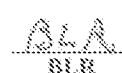
7. The Assignee will arrange, through counsel, to have this ASSIGNMENT filed of record with the U.S. Patent and Trademark Office and its Assignment Recordation Branch.

IN WITNESS WHEREOF, Mr. Randall, Mr. Brogdin (individually and as President of MJB Management, LLC, the General Partner of MJ Brogdin Consulting, L.P.), and Mr. Brisco (individually and as Managing Member of Brisco Design LLC) have executed and delivered this instrument to Assignee on the dates indicated below.

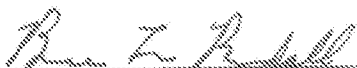
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Inventor and Assignor:

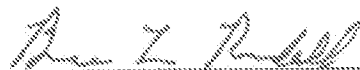


Bruce L. Randall

December 20th, 2019

Signed

Assignee:



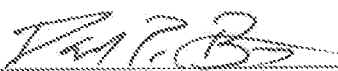
Coiled Tubing Specialties, LLC

By Bruce L. Randall, as President of
Randall Enterprises, Inc., the
Manager of Coiled Tubing
Specialties, LLC

December 20th, 2019

Signed

Inventor and Assignor:

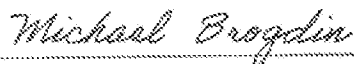


David P. Brisco, Individually and as
Managing Member of Brisco Design
LLC

December 22nd, 2019

Signed

Inventor and Assignor:

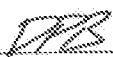


Michael J. Brogdin, Individually and as
President of MJB Management, LLC,
the General Partner of MJ Brogdin
Consulting, L.P.

December 21, 2019

Signed


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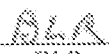

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EXHIBIT A

<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
US 8,752,651	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	June 17, 2014
US 8,991,522	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	March 31, 2015
US 9,856,700	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	January 02, 2018
CA 2,732,675	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	November 05, 2013
CA 2,748,994	Downhole Hydraulic Jetting Assembly, and Method for Stimulating a Production Wellbore	November 05, 2013

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