

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM865414

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	Intellectual Property Security Agreement		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
FTS International Services, LLC		12/27/2023	Limited Liability Company: TEXAS
U.S. Well Services, LLC		12/27/2023	Limited Liability Company: DELAWARE
ProFrac Services, LLC		12/27/2023	Limited Liability Company: TEXAS
U.S. Well Services Holdings, LLC		12/27/2023	Limited Liability Company: DELAWARE
Best Pump and Flow, LLC		12/27/2023	Limited Liability Company: TEXAS
RECEIVING PARTY DATA			
Name:	U.S. Bank Trust Company, National Association, as Collateral Agent		
Street Address:	13737 Noel Road, 8th Floor		
City:	Dallas		
State/Country:	TEXAS		
Postal Code:	75240		
Entity Type:	National Banking Association: UNITED STATES		
PROPERTY NUMBERS Total: 58			
Property Type	Number	Word Mark	
Serial Number:	97682210	BEST	
Serial Number:	97682305	B BEST	
Serial Number:	97682380	B	
Registration Number:	6254864	FRAC SURF W	
Registration Number:	6112726	FRACWAVE GEL 4.0	
Registration Number:	6170073	FRACCREST LB	
Registration Number:	6019852	FRACCREST HB	
Registration Number:	6019853	FRACCREST HBC	
Registration Number:	6019854	FRACWAVE HV	
Registration Number:	6511818	SCALE-DEFENDER	
Registration Number:	6038026	SCALE-DEFENDER P	
Registration Number:	6038027	FRAC-XL I	

CH \$1465.00 97682210

Property Type	Number	Word Mark
Registration Number:	6043414	FRAC-XL D
Registration Number:	6502673	FRACSURF
Registration Number:	6019855	FRACSURF NS
Registration Number:	6034711	FRACSURF NE
Registration Number:	6019856	KLAY-BLOCK T
Registration Number:	6024998	KLAY-BLOCK P
Registration Number:	6043415	B-LOW
Registration Number:	6070304	B-HIGH PLUS
Registration Number:	6070305	OXI-HIB LT
Registration Number:	6070306	OXI-HIB HT
Registration Number:	6070307	FRACBREAK LP
Registration Number:	6070308	FRACBREAK AP
Registration Number:	6070309	FRACBREAK LT
Registration Number:	6070310	FRACBREAK HT
Registration Number:	6034712	FERROHIB 100
Registration Number:	6038028	FERROHIB 200
Registration Number:	4752043	NUFLO
Registration Number:	4675488	ENERGIZE YOUR CAREER
Registration Number:	4636429	DIAMOND
Registration Number:	4210164	PFP
Registration Number:	4332750	FTSI
Registration Number:	4332747	FTS INTERNATIONAL SERVICES
Registration Number:	4471425	FTS INTERNATIONAL MANUFACTURING
Registration Number:	4313998	F FTS INTERNATIONAL
Registration Number:	4193471	F
Registration Number:	4193472	F
Registration Number:	4204838	F
Registration Number:	4185461	F
Registration Number:	3522979	FT FRAC TECH
Serial Number:	98095516	F3
Registration Number:	6982087	ACQUIRE, RETIRE, REPLACE
Registration Number:	6177879	PROFRAC
Registration Number:	6177880	PROFRAC
Serial Number:	97689109	WHISPERFRAC
Serial Number:	97689105	F3 FUEL
Serial Number:	97689102	FRAC MD
Registration Number:	4988351	CLEAN FLEET
Registration Number:	6251770	POWERPATH REMOTE ELECTRIC FRAC

Property Type	Number	Word Mark
Registration Number:	5372680	LEAN 360 EFFICIENT SUCCESS, CONTINUOUS I
Registration Number:	6262379	U USWS U.S. WELL SERVICES
Registration Number:	5661927	OPTI-FLEX
Registration Number:	6251771	PSM360 PROCESS SAFETY MANAGEMENT
Registration Number:	6251772	F ³ FUEL REDUCING FUEL COSTS FIELD GAS ·C
Registration Number:	5835700	WHISPERFRAC REDUCING NOISE AND VIBRATION
Registration Number:	5053592	FRACMD, MACHINE DIAGNOSTICS, MINIMIZING
Registration Number:	4550632	CLEAN FLEET

CORRESPONDENCE DATA

Fax Number:

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: 2136207848

Email: iprecordations@whitecase.com

Correspondent Name: Justine Lu/White & Case LLP

Address Line 1: 555 South Flower Street, Suite 2700

Address Line 4: Los Angeles, CALIFORNIA 90071

ATTORNEY DOCKET NUMBER: 1904164-0002-S216

NAME OF SUBMITTER: Justine Lu

SIGNATURE: /Justine Lu/

DATE SIGNED: 01/03/2024

Total Attachments: 25

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT** (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*IP Security Agreement*”) dated as of **December 27, 2023**, is made by FTS INTERNATIONAL SERVICES, LLC, U.S. WELL SERVICES, LLC, PROFRAC SERVICES, LLC, U.S. WELL SERVICES HOLDINGS, LLC, and BEST PUMP AND FLOW, LLC (collectively, the “*Grantors*”) in favor of U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION, as collateral agent (the “*Collateral Agent*”) for the Secured Parties (as defined in the Security Agreement referred to below).

WHEREAS, ProFrac Holdings II, LLC, a Texas limited liability company, is party to a Note Purchase Agreement dated as of December 27, 2023, with the Purchasers party thereto (as amended, amended and restated, supplemented or otherwise modified prior to the date hereof, the “*Purchase Agreement*”);

WHEREAS, as a condition precedent to the Purchaser’s purchase of the Notes, each Grantor has executed and delivered that certain Security Agreement dated as of December 27, 2023 made by the Grantors, certain other parties and the Collateral Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*Security Agreement*”; capitalized terms used but not defined herein shall have the meanings ascribed therein);

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed as a condition thereof to execute this IP Security Agreement for recording with the USPTO and the USCO, as applicable;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

SECTION 1 Grant of Security. As security for the due and prompt payment and performance when due (whether at the stated maturity, by acceleration or otherwise) by each Grantor of all of its Note Obligations under the Indenture, each Grantor hereby grants to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest in and continuing lien on all of such Grantor’s right, title and interest in or to any and all of the following properties and assets of such Grantor and all powers and rights of such Grantor in all of the following (including the power to transfer rights in the following), whether now owned or existing or at any time hereafter acquired or arising, regardless of where located (the “*IP Collateral*”):

(A) the patents and patent applications set forth in Schedule A hereto (the “*Patents*”);

(B) the trademark and service mark registrations and applications set forth in Schedule B hereto (provided that no security interest shall be granted in United States intent-to- use trademark applications to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark applications under applicable federal law), together with the goodwill symbolized thereby (the “*Trademarks*”); and

(C) the copyright registrations and applications owned or exclusively licensed as set forth in Schedule C hereto (the “*Copyrights*”);

SECTION 2 Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks and, to the extent agreed upon and applicable, any other applicable government office, record this IP Security Agreement.

SECTION 3 Execution in Counterparts. This IP Security Agreement may be authenticated in any number of separate counterparts, each of which shall collectively and separately constitute one and the same agreement. This IP Security Agreement may be authenticated by manual signature, facsimile or other electronic communication, and the effectiveness of this IP Security Agreement and signatures thereon shall have the same force

and effect as manually signed originals and shall be binding on all parties thereto. The Collateral Agent may require that any such signatures be confirmed by a manually- signed original thereof, provided that the failure to request or deliver the same shall not limit the effectiveness of any signature delivered electronically or by facsimile.

SECTION 4 Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the IP Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between this IP Security Agreement and the Security Agreement, the Security Agreement shall govern and control.


SECTION 5 Governing Law. THIS IP SECURITY AGREEMENT SHALL BE INTERPRETED AND THE RIGHTS AND LIABILITIES OF THE PARTIES HERETO DETERMINED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK; PROVIDED, FURTHER, THAT IF THE LAWS OF ANY JURISDICTION OTHER THAN NEW YORK SHALL GOVERN IN REGARD TO THE VALIDITY, PERFECTION OR EFFECT OF PERFECTION OF ANY LIEN OR IN REGARD TO PROCEDURAL MATTERS AFFECTING ENFORCEMENT OF ANY LIENS IN COLLATERAL, SUCH LAWS OF SUCH OTHER JURISDICTIONS SHALL CONTINUE TO APPLY TO THAT EXTENT.

[Signature Page Follows]

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

GRANTORS:

FTS INTERNATIONAL SERVICES, LLC

By: 

Name: Lance Turner

Title: Chief Financial Officer

[Signature Page to Intellectual Property Security Agreement, dated December 27, 2023, by and among FTS International Services, LLC, ProFrac Services, LLC, U.S. Well Services, LLC, U.S. Well Services Holdings, LLC, Best Pump and Flow, LLC, as the Grantors and U.S. Bank, Trust Company, National Association as Collateral Agent]

TRADEMARK

REEL: 008306 FRAME: 0923

PROFRAC SERVICES, LLC

By:  _____

Name: Lance Turner

Title: Chief Financial Officer

[Signature Page to Intellectual Property Security Agreement, dated December 27, 2023, by and among FTS International Services, LLC, ProFrac Services, LLC, U.S. Well Services, LLC, U.S. Well Services Holdings, LLC, Best Pump and Flow, LLC, as the Grantors and U.S. Bank, Trust Company, National Association as Collateral Agent]

TRADEMARK

REEL: 008306 FRAME: 0924

U.S. WELLSERVICES, LLC

By: 

Name: Lance Turner

Title: Chief Financial Officer

[Signature Page to Intellectual Property Security Agreement, dated December 27, 2023, by and among FTS International Services, LLC, ProFrac Services, LLC, U.S. Well Services, LLC, U.S. Well Services Holdings, LLC, Best Pump and Flow, LLC, as the Grantors and U.S. Bank, Trust Company, National Association as Collateral Agent]

TRADEMARK

REEL: 008306 FRAME: 0925

BEST PUMP AND FLOW, LLC

By: 

Name: Lance Turner


Title: Chief Financial Officer

[Signature Page to Intellectual Property Security Agreement, dated December 27, 2023, by and among FTS International Services, LLC, ProFrac Services, LLC, U.S. Well Services, LLC, U.S. Well Services Holdings, LLC, Best Pump and Flow, LLC, as the Grantors and U.S. Bank, Trust Company, National Association as Collateral Agent]

TRADEMARK

REEL: 008306 FRAME: 0926


U.S. WELL SERVICES HOLDINGS, LLC

By: 
Name: Lance Turner
Title: CFO

[Signature Page to Intellectual Property Security Agreement, dated December 27, 2023, by and among FTS International Services, LLC, ProFrac Services, LLC, U.S. Well Services, LLC, U.S. Well Services Holdings, LLC, Best Pump and Flow, LLC, as the Grantors and U.S. Bank, Trust Company, National Association as Collateral Agent]

COLLATERAL AGENT:

U.S. BANK TRUST COMPANY, NATIONAL
ASSOCIATION,
as the Collateral Agent

By: 
Name: Michael K. Herberger
Title: Vice President

[Signature Page to Intellectual Property Security Agreement, dated December 27, 2023, by and among FTS International Services, LLC, ProFrac Services, LLC, U.S. Well Services, LLC, U.S. Well Services Holdings, LLC, Best Pump and Flow, LLC, as the Grantors and U.S. Bank, Trust Company, National Association as Colla

TRADEMARK

REEL: 008306 FRAME: 0928

SCHEDULE A**PATENTS****FTS International Services, LLC**

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	Suction manifold mounting for a fluid end for a high-pressure pump	12/487401	6/18/2009	Granted	8105055	1/31/2012	FTS International Services, LLC

ProFrac Services, LLC

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	Systems and methods for distributing fluids at a wellsite	17/378181	7/16/2021	Granted	11359474	6/14/2022	ProFrac Services, LLC
US	Systems and methods for conditioning a gas	17/873688	7/26/2022	Granted	11549351	1/10/2023	ProFrac Services, LLC
US	Systems and methods for conditioning a gas	18/049320	10/25/2022	Granted	11686188	6/27/2023	ProFrac Services, LLC
US	SYSTEMS AND METHODS FOR SILICA DUST REDUCTION AT WELL SITES	17/681428	2/25/2022	Pending			ProFrac Services, LLC

U.S. Well Services, LLC (Houston, TX)

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	HIGH CAPACITY POWER STORAGE SYSTEM FOR ELECTRIC HYDRAULIC FRACTURING	18092619	1/3/2023	Granted			U.S. Well Services, LLC

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	System for pumping hydraulic fracturing fluid using electric pumps	13679689	11/16/2012	Granted	9410410	8/9/2016	U.S. Well Services, LLC
US	System for pumping hydraulic fracturing fluid using electric pumps	14190982	2/26/2014	Granted	8789601	7/29/2014	U.S. Well Services, LLC
US	Torsional coupling for electric hydraulic fracturing fluid pumps	14622532	2/13/2015	Granted	9650879	5/16/2017	U.S. Well Services, LLC
US	System for centralized monitoring and control of electric powered hydraulic fracturing fleet	14884363	10/15/2015	Granted	9970278	5/15/2018	U.S. Well Services, LLC
US	Suction and Discharge Lines for a Dual Hydraulic Fracturing Unit	15145443	5/3/2016	Pending			U.S. Well Services, LLC
US	System for pumping hydraulic fracturing fluid using electric pumps	15202085	7/5/2016	Granted	10337308	7/2/2019	U.S. Well Services, LLC
US	Safety indicator lights for hydraulic fracturing pumps	15217040	7/22/2016	Granted	9650871	5/16/2017	U.S. Well Services, LLC
US	Slide out pump stand for hydraulic fracturing equipment	15217081	7/22/2016	Granted	10407990	9/10/2019	U.S. Well Services, LLC
US	SYSTEM FOR GAS COMPRESSION ON ELECTRIC HYDRAULIC FRACTURING FLEETS	15356436	11/18/2016	Pending			U.S. Well Services, LLC
US	System for reducing noise in a hydraulic fracturing fleet	14995811	1/14/2016	Granted	9587649	3/7/2017	U.S. Well Services, LLC
US	Turbine chilling for oil field power generation	15486970	4/13/2017	Granted	9995218	6/12/2018	U.S. Well Services, LLC
US	System for fueling electric powered hydraulic	15487656	4/14/2017	Granted	10020711	7/10/2018	U.S. Well

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
	fracturing equipment with multiple fuel sources						Services, LLC
US	Switchgear load sharing for oil field equipment	15487694	4/14/2017	Granted	9893500	2/13/2018	U.S. Well Services, LLC
US	Torsional coupling for electric hydraulic fracturing fluid pumps	15581625	4/28/2017	Granted	11066912	7/20/2021	U.S. Well Services, LLC
US	System and method for parallel power and blackout protection for electric powered hydraulic fracturing	14/881535	10/13/2015	Granted	11449018	9/20/2022	U.S. Well Services, LLC
US	System for reducing vibrations in a pressure pumping fleet	15/145414	5/3/2016	Granted	10119381	11/6/2018	U.S. Well Services, LLC
US	Cold weather package for oil field hydraulics	15/145440	5/3/2016	Granted	9611728	4/4/2017	U.S. Well Services, LLC
US	Cable management of electric powered hydraulic fracturing pump unit	15/145491	5/3/2016	Granted	10036238	7/31/2018	U.S. Well Services, LLC
US	Modular remote power generation and transmission for hydraulic fracturing system	15/183387	6/15/2016	Granted	10526882	1/7/2020	U.S. Well Services, LLC
US	Monitoring and control of proppant storage from a datavan	15/235716	8/12/2016	Granted	10254732	4/9/2019	U.S. Well Services, LLC
US	Wireline power supply during electric powered fracturing operations	15/235788	8/12/2016	Granted	11476781	10/18/2022	U.S. Well Services, LLC
US	Electric powered pump down	15/291842	10/12/2016	Granted	9745840	8/29/2017	U.S. Well Services, LLC
US	Remote monitoring for hydraulic fracturing equipment	15/293681	10/14/2016	Granted	9840901	12/12/2017	U.S. Well Services, LLC

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	Independent control of auger and hopper assembly in electric blender system	15/294349	10/14/2016	Granted	10232332	3/19/2019	U.S. Well Services, LLC
US	Hydraulic fracturing equipment with non-hydraulic power	15/644487	7/7/2017	Granted	10280724	5/7/2019	U.S. Well Services, LLC
US	Electric powered pump down	15/653028	7/18/2017	Granted	10408030	9/10/2019	U.S. Well Services, LLC
US	Constant voltage power distribution system for use with an electric hydraulic fracturing system	15/829419	12/1/2017	Granted	11181107	11/23/2021	U.S. Well Services, LLC
US	Remote monitoring for hydraulic fracturing equipment	15/838033	12/11/2017	Granted	10107086	10/23/2018	U.S. Well Services, LLC
US	Switchgear load sharing for oil field equipment	15/893766	2/12/2018	Granted	10686301	6/16/2020	U.S. Well Services, LLC
US	System for centralized monitoring and control of electric powered hydraulic fracturing fleet	15/978838	5/14/2018	Granted	11091992	8/17/2021	U.S. Well Services, LLC
US	Turbine chilling for oil field power generation	15/994759	5/31/2018	Granted	10731561	8/4/2020	U.S. Well Services, LLC
US	System for fueling electric powered hydraulic fracturing equipment with multiple fuel sources	15/994772	5/31/2018	Granted	10927802	2/23/2021	U.S. Well Services, LLC
US	Cable management of electric powered hydraulic fracturing pump unit	16/047653	7/27/2018	Granted	10947829	3/16/2021	U.S. Well Services, LLC
US	Instrumented fracturing slurry flow system and method	16/152695	10/5/2018	Granted	11067481	7/20/2021	U.S. Well Services, LLC
US	ELECTRIC POWERED HYDRAULIC FRACTURING SYSTEM	16/152732	10/5/2018	Pending			U.S. Well

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	WITHOUT GEAR REDUCTION						Services, LLC
US	System for reducing vibrations in a pressure pumping fleet	16/158756	10/12/2018	Granted	10934824	3/2/2021	U.S. Well Services, LLC
US	Automated fracturing system and method	16/160708	10/15/2018	Granted	10408031	9/10/2019	U.S. Well Services, LLC
US	REMOTE MONITORING FOR HYDRAULIC FRACTURING EQUIPMENT	16/167083	10/22/2018	Pending			U.S. Well Services, LLC
US	Smart fracturing system and method	16/170695	10/25/2018	Granted	10655435	5/19/2020	U.S. Well Services, LLC
US	HYDRAULIC FRACTURING EQUIPMENT WITH NON-HYDRAULIC POWER	16/404283	5/6/2019	Pending			U.S. Well Services, LLC
US	Integrated mobile power unit for hydraulic fracturing	16/443273	6/17/2019	Granted	11211801	12/28/2021	U.S. Well Services, LLC
US	System for pumping hydraulic fracturing fluid using electric pumps	16/456777	6/28/2019	Granted	11136870	10/5/2021	U.S. Well Services, LLC
US	SYSTEM FOR GAS COMPRESSION ON ELECTRIC HYDRAULIC FRACTURING FLEETS	16/458696	7/1/2019	Pending			U.S. Well Services, LLC
US	Electric powered pump down	16/522043	7/25/2019	Granted	11713661	8/1/2023	U.S. Well Services, LLC
US	Automated fracturing system and method	16/564185	9/9/2019	Granted	11203924	12/21/2021	U.S. Well Services, LLC
US	Slide out pump stand for hydraulic fracturing equipment	16/564186	9/9/2019	Granted	11674352	6/13/2023	U.S. Well Services, LLC

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US	Riser assist for wellsites	16/570331	9/13/2019	Granted	10648270	5/12/2020	U.S. Well Services, LLC
US	Electric powered hydraulic fracturing pump system with single electric powered multi-plunger pump fracturing trailers, filtration units, and slide out platform	16/597008	10/9/2019	Granted	10914155	2/9/2021	U.S. Well Services, LLC
US	Modular switchgear system and power distribution for electric oilfield equipment	16/597014	10/9/2019	Granted	11208878	12/28/2021	U.S. Well Services, LLC
US	MODULAR REMOTE POWER GENERATION AND TRANSMISSION FOR HYDRAULIC FRACTURING SYSTEM	16/696364	11/26/2019	Pending			U.S. Well Services, LLC
US	System and method for integrated flow supply line	16/728359	12/27/2019	Granted	11009162	5/18/2021	U.S. Well Services, LLC
US	FRAC PUMP AUTOMATIC RATE ADJUSTMENT AND CRITICAL PLUNGER SPEED INDICATION	16/824409	3/19/2020	Pending			U.S. Well Services, LLC
US	DAMAGE ACCUMULATION METERING FOR REMAINING USEFUL LIFE DETERMINATION	16/824428	3/19/2020	Pending			U.S. Well Services, LLC
US	Oversized switchgear trailer for electric hydraulic fracturing	16/824432	3/19/2020	Granted	11578577	2/14/2023	U.S. Well Services, LLC
US	Riser assist for wellsites	16/871328	5/11/2020	Granted	11454079	9/27/2022	U.S. Well Services, LLC
US	High horsepower pumping configuration for an electric hydraulic fracturing system	16/871928	5/11/2020	Granted	11434737	9/6/2022	U.S. Well Services, LLC
US	Encoderless vector control for VFD in hydraulic fracturing applications	16/873583	5/12/2020	Granted	11728709	8/15/2023	U.S. Well

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							Services, LLC
US	Smart fracturing system and method	16/876929	5/18/2020	Granted	11808125	11/7/2023	U.S. Well Services, LLC
US	Integrated fuel gas heater for mobile fuel conditioning equipment	16/897467	6/10/2020	Granted	11506126	11/22/2022	U.S. Well Services, LLC
US	Switchgear load sharing for oil field equipment	16/901774	6/15/2020	Granted	11451016	9/20/2022	U.S. Well Services, LLC
US	High capacity power storage system for electric hydraulic fracturing	16/943727	7/30/2020	Granted	11542786	1/3/2023	U.S. Well Services, LLC
US	Turbine chilling for oil field power generation	16/943935	7/30/2020	Granted	11454170	9/27/2022	U.S. Well Services, LLC
US	Electric powered hydraulic fracturing pump system with single electric powered multi-plunger fracturing pump	17/060647	10/1/2020	Granted	11459863	10/4/2022	U.S. Well Services, LLC
US	LOAD LEVELING POWER STORAGE SYSTEM FOR ELECTRIC HYDRAULIC FRACTURING	17/087068	11/2/2020	Pending			U.S. Well Services, LLC
US	COMPACT ELECTRIC HYDRAULIC FRACTURING TRAILER	17/088934	11/4/2020	Pending			U.S. Well Services, LLC
US	Electrically Actuated Valves for Manifold Trailers or Skids	17/091926	11/6/2020	Pending			U.S. Well Services, LLC
US	BLENDER TUB OVERFLOW CATCH	17/122425	12/15/2020	Allowed			U.S. Well Services, LLC
US	SYSTEMS AND METHODS FOR FLUID END HEALTH MONITORING	17/134880	12/28/2020	Pending			U.S. Well Services, LLC

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	ELECTRIC MOTOR DRIVEN TRANSPORTATION MECHANISMS FOR FRACTURING BLENDERS	17/135543	12/28/2020	Allowed			U.S. Well Services, LLC
US	Self-regulating FRAC pump suction stabilizer/dampener	17/136913	12/29/2020	Granted	11492886	11/8/2022	U.S. Well Services, LLC
US	AUTOMATED BLENDER BUCKET TESTING AND CALIBRATION	17/136937	12/29/2020	Pending			U.S. Well Services, LLC
US	Segmented fluid end plunger pump	17/136943	12/29/2020	Granted	11560887	1/24/2023	U.S. Well Services, LLC
US	SYSTEMS AND METHODS FOR FLUID END EARLY FAILURE PREDICTION	17/137570	12/30/2020	Pending			U.S. Well Services, LLC
US	CONSTANT VOLTAGE POWER DISTRIBUTION SYSTEM FOR USE WITH AN ELECTRIC HYDRAULIC FRACTURING SYSTEM	17/157458	1/25/2021	Allowed			U.S. Well Services, LLC
US	Electric powered hydraulic fracturing pump system with single electric powered multi-plunger pump fracturing trailers, filtration units, and slide out platform	17/170128	2/8/2021	Granted	11578580	2/14/2023	U.S. Well Services, LLC
US	System for fueling electric powered hydraulic fracturing equipment with multiple fuel sources	17/181546	2/22/2021	Granted	11674484	6/13/2023	U.S. Well Services, LLC
US	SYSTEM FOR REDUCING VIBRATIONS IN A PRESSURE PUMPING FLEET	17/188441	3/1/2021	Pending			U.S. Well Services, LLC
US	Cable management of electric powered hydraulic fracturing pump unit	17/202412	3/16/2021	Granted	11680473	6/20/2023	U.S. Well Services, LLC
US	Hybrid hydraulic fracturing fleet	17/319810	5/13/2021	Granted	11814938	11/14/2023	U.S. Well

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							Services, LLC
US	System and method for integrated flow supply line	17/321936	5/17/2021	Granted	11668420	6/6/2023	U.S. Well Services, LLC
US	Instrumented fracturing slurry flow system and method	17/379341	7/19/2021	Granted	11674868	6/13/2023	U.S. Well Services, LLC
US	Torsional coupling for electric hydraulic fracturing fluid pumps	17/379651	7/19/2021	Granted	11549346	1/10/2023	U.S. Well Services, LLC
US	SYSTEM FOR CENTRALIZED MONITORING AND CONTROL OF ELECTRIC POWERED HYDRAULIC FRACTURING FLEET	17/402752	8/16/2021	Allowed			U.S. Well Services, LLC
US	MICROGRID ELECTRICAL LOAD MANAGEMENT	17/466261	9/3/2021	Allowed			U.S. Well Services, LLC
US	Independent control of auger and hopper assembly in electric blender system	17/484818	9/24/2021	Granted	11745155	9/5/2023	U.S. Well Services, LLC
US	Constant voltage power distribution system for use with an electric hydraulic fracturing system	17/533183	11/23/2021	Granted	11555491	1/17/2023	U.S. Well Services, LLC
US	MONITORING AND CONTROL OF PROPPANT STORAGE FROM A DATAVAN	17/533279	11/23/2021	Pending			U.S. Well Services, LLC
US	Integrated mobile power unit for hydraulic fracturing	17/540807	12/2/2021	Granted	11713690	8/1/2023	U.S. Well Services, LLC
US	AUTOMATED FRACTURING SYSTEM AND METHOD	17/556409	12/20/2021	Pending			U.S. Well Services, LLC
US	MODULAR SWITCHGEAR SYSTEM AND POWER DISTRIBUTION FOR	17/560651	12/23/2021	Pending			U.S. Well Services, LLC

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	ELECTRIC OILFIELD EQUIPMENT						
US	Electric hydraulic fracturing with battery power as primary source	17/752135	5/24/2022	Granted	11728657	8/15/2023	U.S. Well Services, LLC
US	HIGH HORSEPOWER PUMPING CONFIGURATION FOR AN ELECTRIC HYDRAULIC FRACTURING SYSTEM	17/903831	9/6/2022	Pending			U.S. Well Services, LLC
US	SYSTEM AND METHOD FOR PARALLEL POWER AND BLACKOUT PROTECTION FOR ELECTRIC POWERED HYDRAULIC FRACTURING	17/948372	9/20/2022	Pending			U.S. Well Services, LLC
US	SWITCHGEAR LOAD SHARING FOR OIL FIELD EQUIPMENT	17/948844	9/20/2022	Pending			U.S. Well Services, LLC
US	INTEGRATED FUEL GAS HEATER FOR MOBILE FUEL CONDITIONING EQUIPMENT	17/950166	9/22/2022	Pending			U.S. Well Services, LLC
US	ELECTRIC POWERED HYDRAULIC FRACTURING PUMP SYSTEM WITH SINGLE ELECTRIC POWERED MULTI-PLUNGER FRACTURING PUMP	17/959465	10/4/2022	Allowed			U.S. Well Services, LLC
US	WIRELINE POWER SUPPLY DURING ELECTRIC POWERED FRACTURING OPERATIONS	17/968532	10/18/2022	Pending			U.S. Well Services, LLC
US	SELF-REGULATING FRAC PUMP SUCTION STABILIZER/DAMPENER	17/983187	11/8/2022	Pending			U.S. Well Services, LLC
US	Constant voltage power distribution system for use with an electric hydraulic fracturing system	18/097574	1/17/2023	Granted	11815082	11/14/2023	U.S. Well Services, LLC

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	SEGMENTED FLUID END PLUNGER PUMP	18/100783	1/24/2023	Allowed			U.S. Well Services, LLC
US	Electric Powered Hydraulic Fracturing Pump System with Single Electric Powered Multi-Plunger Pump Fracturing Trailers, Filtration Units, and Slide Out Platform	18/109383	2/14/2023	Pending			U.S. Well Services, LLC
US	OVERSIZED SWITCHGEAR TRAILER FOR ELECTRIC HYDRAULIC FRACTURING	18/109389	2/14/2023	Pending			U.S. Well Services, LLC
US	INTEGRATED MOBILE POWER UNIT FOR HYDRAULIC FRACTURING	18/209761	6/14/2023	Pending			U.S. Well Services, LLC
US	ENCODERLESS VECTOR CONTROL FOR VFD IN HYDRAULIC FRACTURING APPLICATIONS	18/217442	6/30/2023	Pending			U.S. Well Services, LLC
US	Multi-Plunger Pumps and Associated Drive Systems	18/357271	7/24/2023	Pending			U.S. Well Services, LLC

U.S. Well Services Holdings, LLC

<u>Country</u>	<u>Title</u>	<u>App. No.</u>	<u>File Date</u>	<u>Status</u>	<u>Pat. No.</u>	<u>Issue Date</u>	<u>Owner</u>
US	High horsepower pumping configuration for an electric hydraulic fracturing system	16/210749	12/5/2018	Granted	10648311	5/12/2020	U.S. Well Services Holdings, LLC (as successor to U.S. Well Services, Inc.)
US	Multi-plunger pumps and associated drive systems	16/210807	12/5/2018	Granted	10598258	3/24/2020	U.S. Well Services Holdings, LLC (as successor to U.S. Well

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							Services, Inc.)
US	Microgrid electrical load management	16/268030	2/5/2019	Granted	11114857	9/7/2021	U.S. Well Services Holdings, LLC (as successor to U.S. Well Services, Inc.)
US	INDEPENDENT CONTROL OF AUGER AND HOPPER ASSEMBLY IN ELECTRIC BLENDER SYSTEM	16/356263	3/18/2019	Pending			U.S. Well Services Holdings, LLC (as successor to U.S. Well Services, Inc.)
US	Monitoring and control of proppant storage from a datavan	16/377861	4/8/2019	Granted	11181879	11/23/2021	U.S. Well Services Holdings, LLC (as successor to U.S. Well Services, Inc.)
US	Hybrid hydraulic fracturing fleet	16/385070	4/16/2019	Granted	11035207	6/15/2021	U.S. Well Services Holdings, LLC (as successor to U.S. Well Services, Inc.)

SCHEDULE B**TRADEMARKS****Best Pump and Flow, LLC**

Mark	App. No.	App. Date	Reg. No	Reg. Date	Owner
BEST	97682210	17-NOV-2022			Best Pump and Flow, LLC
B BEST	97682305	17-NOV-2022			Best Pump and Flow, LLC
B	97682380	17-NOV-2022			Best Pump and Flow, LLC

FTS International Services, LLC

Mark	App. No.	App. Date	Reg. No	Reg. Date	Owner
FRAC SURF W	88785160	04-FEB-2020	6254864	26-Jan-21	FTS International Services, LLC
FRACWAVE GEL 4.0	88749925	07-JAN-2020	6112726	28-Jul-20	FTS International Services, LLC
FRACCREST LB	88171782	27-OCT-2018	6170073	06-OCT-2020	FTS International Services, LLC
FRACCREST HB	88171788	27-OCT-2018	6019852	24-MAR-2020	FTS International Services, LLC
FRACCREST HBC	88171789	27-OCT-2018	6019853	24-MAR-2020	FTS International Services, LLC
FRACWAVE HV	88171791	27-OCT-2018	6019854	24-MAR-2020	FTS International Services, LLC
SCALE-DEFENDER	88171792	27-OCT-2018	6511818	05-OCT-2021	FTS International Services, LLC
SCALE-DEFENDER P	88171793	27-OCT-2018	6038026	21-APR-2020	FTS International Services, LLC
FRAC-XL 1	88171794	27-OCT-2018	6038027	21-APR-2020	FTS International Services, LLC
FRAC-XL D	88171795	27-OCT-2018	6043414	28-APR-2020	FTS International Services, LLC
FRAC SURF	88171798	27-OCT-2018	6502673	28-SEP-2021	FTS International Services, LLC
FRAC SURF NS	88171799	27-OCT-2018	6019855	24-MAR-2020	FTS International Services, LLC
FRAC SURF NE	88171801	27-OCT-2018	6034711	14-APR-2020	FTS International Services, LLC
KLAY-BLOCK T	88171803	27-OCT-2018	6019856	24-MAR-2020	FTS International Services, LLC
KLAY-BLOCK P	88171804	27-OCT-2018	6024998	31-MAR-2020	FTS International Services, LLC
B-LOW	88171806	27-OCT-2018	6043415	28-APR-2020	FTS International Services, LLC
B-HIGH PLUS	88171811	27-OCT-2018	6070304	02-JUN-2020	FTS International Services, LLC
OXI-HIB LT	88171812	27-OCT-2018	6070305	02-JUN-2020	FTS International Services, LLC

Mark	App. No.	App. Date	Reg. No	Reg. Date	Owner
OXI-HIB HT	88171816	27-OCT-2018	6070306	02-JUN-2020	FTS International Services, LLC
FRACBREAK LP	88171819	27-OCT-2018	6070307	02-JUN-2020	FTS International Services, LLC
FRACBREAK AP	88171821	27-OCT-2018	6070308	02-JUN-2020	FTS International Services, LLC
FRACBREAK LT	88171824	27-OCT-2018	6070309	02-JUN-2020	FTS International Services, LLC
FRACBREAK HT	88171825	27-OCT-2018	6070310	02-JUN-2020	FTS International Services, LLC
FERROHIB 100	88171832	27-OCT-2018	6034712	14-APR-2020	FTS International Services, LLC
FERROHIB 200	88171834	27-OCT-2018	6038028	21-APR-2020	FTS International Services, LLC
NUFLO	86436112	27-OCT-2014	4752043	09-JUN-2015	FTS International Services, LLC
ENERGIZE YOUR CAREER	86346614	24-JUL-2014	4675488	20-JAN-2015	FTS International Services, LLC
DIAMOND	86226256	19-MAR-2014	4636429	11-NOV-2014	FTS International Services, LLC
PFP	85596361	12-APR-2012	4210164	18-SEP-2012	FTS International Services, LLC
FTSI	85543116	15-FEB-2012	4332750	07-MAY-2013	FTS International Services, LLC
FTS INTERNATIONAL SERVICES	85541804	14-FEB-2012	4332747	07-MAY-2013	FTS International Services, LLC
FTS INTERNATIONAL MANUFACTURING	85541889	14-FEB-2012	4471425	21-JAN-2014	FTS International Services, LLC
F FTS INTERNATIONAL	85453499	21-OCT-2011	4313998	02-APR-2013	FTS International Services, LLC
F	85453529	21-OCT-2011	4193471	21-AUG-2012	FTS International Services, LLC
F	85453547	21-OCT-2011	4193472	21-AUG-2012	FTS International Services, LLC
F	85451092	19-OCT-2011	4204838	11-SEP-2012	FTS International Services, LLC
F	85450362	18-OCT-2011	4185461	07-AUG-2012	FTS International Services, LLC
FT FRAC TECH	76672786	16-FEB-2007	3522979	28-OCT-2008	FTS International Services, LLC

ProFrac Services, LLC

Country	Mark	Serial No.	File Date	Filing Basis	Status	Reg. No.	Reg. Date	Owner/Assignee
US	F3	98095516	7/21/2023	1a	Live			ProFrac Services, LLC

<u>Country</u>	<u>Mark</u>	<u>Serial No.</u>	<u>File Date</u>	<u>Filing Basis</u>	<u>Status</u>	<u>Reg. No.</u>	<u>Reg. Date</u>	<u>Owner/Assignee</u>
US	ACQUIRE, RETIRE, REPLACE	97093812	10/26/2021	1a	Live	6982087	2/14/2023	ProFrac Services, LLC
US	WHISPERFRAC	97689109	11/22/2022	1a	Live			ProFrac Services, LLC
US	PROFRAC	88605427	9/5/2019	1a	Live	6177879	10/20/2020	ProFrac Services, LLC
US	PROFRAC	88605475	9/5/2019	1a	Live	6177880	10/20/2020	ProFrac Services, LLC
US	F3 FUEL	97689105	11/22/2022	1a	Live			ProFrac Services, LLC
US	FRAC MD	97689102	11/22/2022	1a	Live			ProFrac Services, LLC

U.S. Well Services, LLC

<u>Country</u>	<u>Mark</u>	<u>Serial No.</u>	<u>File Date</u>	<u>Filing Basis</u>	<u>Status</u>	<u>Reg. No.</u>	<u>Reg. Date</u>	<u>Owner/Assignee</u>
US	CLEAN FLEET	86810976	11/5/2015	1a	Live	4988351	6/28/2016	U.S. Well Services, LLC
US	POWERPATH REMOTE ELECTRIC FRAC	87947059	6/4/2018	1a	Live	6251770	1/19/2021	U.S. Well Services, LLC
US	LEAN 360 EFFICIENT SUCCESS, CONTINUOUS IMPROVEMENT	87170845	9/14/2016	1a	Live	5372680	1/9/2018	U.S. Well Services, LLC
US	U USWS U.S. WELL SERVICES	88200476	11/20/2018	1a	Live	6262379	2/2/2021	U.S. Well Services, LLC
US	OPTI-FLEX	87170754	9/14/2016	1a	Live	5661927	1/22/2019	U.S. Well Services, LLC
US	PSM360 PROCESS SAFETY MANAGEMENT	87947068	6/4/2018	1a	Live	6251771	1/19/2021	U.S. Well Services, LLC
US	F3 FUEL REDUCING FUEL COSTS FIELD GAS ·CNG ·LNG	87947097	6/4/2018	1a	Live	6251772	1/19/2021	U.S. Well Services, LLC

<u>Country</u>	<u>Mark</u>	<u>Serial No.</u>	<u>File Date</u>	<u>Filing Basis</u>	<u>Status</u>	<u>Reg. No.</u>	<u>Reg. Date</u>	<u>Owner/Assignee</u>
US	WHISPERFRAC REDUCING NOISE AND VIBRATIONS	87889710	4/23/2018	1a	Live	5835700	8/13/2019	U.S. Well Services, LLC
US	FRACMD, MACHINE DIAGNOSTICS, MINIMIZING DOWNTIME	86908375	2/15/2016	1a	Live	5053592	10/4/2016	U.S. Well Services, LLC
US	CLEAN FLEET	86056378	9/5/2013	1a	Live	4550632	6/17/2014	U.S. Well Services, LLC

SCHEDULE C

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None.