

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

LIBERTY ENERGY INC. AND LIBERTY ENERGY SERVICES LLC
Petitioners,

v.

U.S. WELL SERVICES, LLC
Patent Owner.

Case No. IPR2025-00139
Patent 11,208,878

PETITIONERS' UPDATED EXHIBIT LIST

EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 11,208,878 to Jared Oehring <i>et al.</i> , “Modular switchgear system and power distribution for electric oilfield equipment” (the “’878 Patent”), filed October 9, 2019, issued on December 28, 2021.
1002	File History for U.S. Patent No. 11,208,878.
1003	Declaration of Dr. Robert Durham
1004	U.S. Patent Publication No. 2020/0040705 to Morris <i>et al.</i> , “Switch gear transport that distributes electric power for fracturing operations” (“ <i>Morris</i> ”), filed July 24, 2019, published on June 14, 2022, and claiming priority to a <i>Morris Provisional</i> filed on August 1, 2018.
1005	U.S. Provisional Application No. 62/713,393 to Morris <i>et al.</i> , “Electric Drive Pump for Well Stimulation,” (“ <i>Morris Provisional</i> ”) filed August 1, 2018.
1006	U.S. Patent Publication No. 2017/0222409 to Oehring <i>et al.</i> , “Switch gear load sharing for oil field equipment” (“ <i>Oehring IV</i> ”), filed April 4, 2017, published August 3, 2017.
1007	Schneider Premset Catalog (“ <i>Premset Catalog</i> ”), available May 3, 2017.
1008	Schneider Premset Brochure (“ <i>Premset Brochure</i> ”), available May 4, 2014.
1009	NFPA 70®, The National Electric Code®, issued July 16, 2004.
1010	PCT International Patent Publication No. WO 2018/201118 to Orban <i>et al.</i> , “Integrated power and electronics unit for drilling machine” (“ <i>Orban</i> ”), filed April 30, 2018, published November 1, 2018.
1011	U.S. Patent No. 5,042,756 to Robert Pratt, “Flip-flop cable tray walkway” (“ <i>Pratt</i> ”), filed March 20, 1990, issued on August 27, 1991.
1012	U.S. Patent Publication No. 2016/0273328 to Jared Oehring, “Cable Management of Electric Powered Hydraulic Fracturing

Exhibit No.	Description
	Pump Unit” (“ <i>Oehring II</i> ”), filed May 3, 2016, and published on September 22, 2016.
1013	U.S. Patent Publication No. 2016/0258267 to Payne <i>et al.</i> , “Well Fracturing Systems with Electrical Motors and Methods of Use,” filed Mar. 3, 2016, published September 8, 2016.
1014	U.S. Patent Publication No. 2016/0105022 to Jared Oehring, “System and Method for Parallel Power and Blackout Protection for Electric Powered Hydraulic Fracturing” (“ <i>Oehring III</i> ”), filed October 13, 2015, and published on April 14, 2016.
1015	U.S. Provisional Patent Application 62/743,360, Jared Oehring <i>et al.</i> , “Automated Fracturing Pump System”, filed October 9, 2018.
1016	U.S. Provisional Patent Application 62/743,299, Jared Oehring <i>et al.</i> , “Modular Switchgear System and Power Distribution for Electric Oilfield Equipment”, filed October 9, 2018.
1017	Complaint, <i>U.S. Well Services, LLC et al. v. Liberty Energy, Inc. et al.</i> , No. 4:24-cv-00839 (S.D. Tex. March 6, 2024)
1018	Plaintiff’s Motion for Leave to File the Second Amended Complaint, <i>U.S. Well Services et al. v. Liberty Energy Inc. et al.</i> , No. 4:24-cv-00839, Dkt. No. 46 (S.D. Tex. Sept. 19, 2024).
1019	<i>Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation</i> (June 21, 2022)
1020	Federal Court Management Statistics (June 30, 2024), available at < https://www.uscourts.gov/sites/default/files/data_tables/fcms_na_appprofile0630.2024.pdf >
1021	NFPA 70 Trademark Specimen filed October 10, 2007, Trademark Reg. No. 78913310.
1022	Michael Eves, <i>SF6 Alternatives: A Literature Review on SF6 Gas Alternatives for use on the Distribution Network</i> , April 11, 2018.

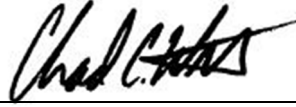
Exhibit No.	Description
1023	Affidavit of Christopher Butler, Internet Archive regarding EX1007 and EX1008
1024	Affidavit of Christopher Butler, Internet Archive regarding ABB URLs.
1025	Declaration of Michael Eves.
1026	Intentionally Omitted
1027	PREMSET Trademark Registration No. 87032738, Statement of Use and Specimen, dated February 14, 2018.
1028	Claim Listing for Claims of U.S. Patent No. 11,208,878 to Jared Oehring <i>et al.</i> , “Modular switchgear system and power distribution for electric oilfield equipment” (the “’878 Patent”), filed October 9, 2019, issued on December 28, 2021.
1029	Lionel B. Roe, PRACTICES AND PROCEDURES OF INDUSTRIAL ELECTRICAL DESIGN (McGraw-Hill: 1972), ISBN: 0-07-053390-3 (“ <i>Roe</i> ”)
1030	John A. Camara, ELECTRICAL ENGINEERING REFERENCE MANUAL FOR THE ELECTRICAL AND COMPUTER PE EXAM, 6 th ed. (Professional Publications, Inc.: 2002), ISBN: 1-888577-56-8 (“ <i>EE-Reference</i> ”)
1031	U.S. Patent No. 1,743,771 to Hall <i>et al.</i> , entitled “System of Electric Distribution” (filed March 25, 1926 and issued January 14, 1930) (“ <i>Hall</i> ”)
1032	IEEE100: THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS, 7 th ed. (IEEE Press: 2000), ISBN: 0-7381-2601-2 (“ <i>IEEE Standards Dictionary</i> ”)
1033	Donald G. Fink, STANDARD HANDBOOK FOR ELECTRICAL ENGINEERS, 13 th ed. (McGraw-Hill, New York: 1993), ISBN: 0-07-020984-7 (“ <i>Fink</i> ”)
1034	U.S. Patent Publication No. 2011/0241590 to Horikoshi <i>et al.</i> , entitled “Motor Driving Apparatus Having Fault Diagnostic Function” (filed Feb. 11, 2011 and published Oct. 6, 2011) (“ <i>Horikoshi</i> ”).

Exhibit No.	Description
1035	U.S. Patent Publication No. 2012/0255734 to Coli et al., entitled “Mobile, Modular, Electrically Powered System for Use in Fracturing Underground Formations” (filed April 6, 2012 and published Oct. 11, 2012).
1036	U.S. Patent No. 9,410,410 to Broussard et al., entitled “System for Pumping Hydraulic Fracturing Fluid using Electric Pumps” (filed Nov. 16, 2012 and issued Aug. 9, 2016)
1037	“Adjustable Frequency Drives,” <i>Eaton</i> , archived at https://web.archive.org/web/20171114050055/http://www.eaton.com/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Renderition=Primary&dDocName=PCT_1317113 (November 14, 2017).
1038	“Header” definition. Norman J. Hyne, <i>Dictionary of Petroleum, Exploration, Drilling, and Production</i> (1991).
1039	U.S. Patent No. 2,533,001 to Everett Eberhard, “Flip-Flop Counter Circuit” (“ <i>Eberhard</i> ”), filed April 30, 1949, issued December 5, 1950.
1040	C. M. Chang, “An N-P-N high power fast germanium core driver transistor,” <i>1957 International Electron Devices Meeting</i> , Washington, DC, USA, 1957, pp. 114-114, doi: 10.1109/IEDM.1957.187057 (“ <i>Chang</i> ”).
1041	F. B. Golden, “Liquid Cooling of Power Thyristors,” <i>IEEE Transactions on Industry Applications</i> , vol. IA-8, no. 5, pp. 601-606, Sept. 1972, doi: 10.1109/TIA.1972.349789 (“ <i>Golden</i> ”).
1042	A. H. Iversen and S. Whitaker, “A uniform temperature, ultra high heat flux liquid cooled, power semiconductor package,” <i>Conference Record of the IEEE Industry Applications Society Annual Meeting</i> , San Diego, CA, USA, 1989, pp. 1340-1347 vol.2, doi: 10.1109/IAS.1989.96817 (“ <i>Iverson and Whitaker</i> ”).
1043	Hefner, A. R. 1992. “A dynamic electro-thermal model for the IGBT.” In <i>Conference Record of the 1992 IEEE Industry Applications Society Annual Meeting</i> , 1094-104 vol.1 (“ <i>Hefner</i> ”).

Exhibit No.	Description
1044	Guidance on USPTO’s Recission of “Interim Procedure for Discretionary Denials in AIA Post-Grand Proceedings with Parallel District Court Litigation” (March 24, 2025)
1045	Defendants’ Motion to Stay Pending <i>Inter Partes</i> Review, <i>U.S. Well Services, LLC et al. v. Liberty Energy, Inc. et al.</i> , No. 4:24-cv-00839 (S.D. Tex. March 19, 2025)
1046	Notice of Hearing, Doc. 84, <i>U.S. Well Services, LLC et al. v. Liberty Energy, Inc. et al.</i> , No. 4:24-cv-00839 (S.D. Tex. Apr. 1, 2025)
1047	Federal Court Management Statistics (December 31, 2024), available at < https://www.uscourts.gov/sites/default/files/2025-02/fcms_na_distprofile1231.2024.pdf >
1048	USWS v. Liberty (SDTX) - Email Production and Schedule

Respectfully submitted,

BAKER BOTTS L.L.P.

A handwritten signature in black ink, appearing to read "Chad C. Walters", is positioned above a horizontal line.

Chad C. Walters (Reg. No. 48,022)
Lead Counsel for Petitioners

Date: May 22, 2025

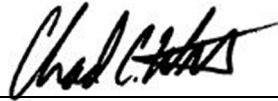
2001 Ross Ave., Suite 900
Dallas, TX 75201-2980
Phone: (214) 953-6511
Fax: (214) 661-4511
chad.walters@bakerbotts.com

CERTIFICATE OF SERVICE

In accordance with 37 C.F.R. § 42.6(e), the undersigned certifies that on the 22nd day of May 2025, a complete and entire copy of this **PETITIONERS' UPDATED EXHIBIT LIST and EXHIBIT 1048** were served on Patent Owner via electronic mail at the following addresses:

BEFerguson@winston.com;
SBorder@winston.com;
MHopkins@winston.com;
TBoyce@winston.com; and
IPR-Profrac-USWell@winston.com.

BAKER BOTTS L.L.P.



Chad C. Walters (Reg. No. 48,022)
Lead Counsel for Petitioner

Date: May 22, 2025

2001 Ross Ave., Suite 900
Dallas, TX 75201-2980
Phone: (214) 953-6511
Fax: (214) 661-4511
chad.walters@bakerbotts.com