PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFERY GABELMANN	01/15/2018
MARK OERKFITZ	01/11/2018
THOMAS HOSBACH	01/11/2018

RECEIVING PARTY DATA

Name:	E-SPECTRUM TECHNOLOGIES, INC.
Street Address:	12725 SPECTRUM DRIVE
City:	SAN ANTONIO
State/Country:	TEXAS
Postal Code:	78249

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15818911

CORRESPONDENCE DATA

Fax Number: (512)853-8801

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Correspondent Name: MEYERTONS HOOD KIVLIN KOWERT& GOETZEL

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Address Line 2: BLDG. 2, SUITE 300 Address Line 4: **AUSTIN, TEXAS 78746**

ATTORNEY DOCKET NUMBER:	5119-51700	
NAME OF SUBMITTER:	GARETH M. SAMPSON	
SIGNATURE:	/Gareth M. Sampson/	
DATE SIGNED:	09/25/2019	

Total Attachments: 6

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> PATENT REEL: 050484 FRAME: 0191

PATENT ASSIGNMENT

WHEREAS, I, Jeffery Gabelmann, being a citizen of the United States of America, ("Assignor") am an Inventor of the invention entitled "MODULAR ELECTRODE TOOL FOR IMPROVED HYDRAULIC FRACTURE DIAGNOSTICS," (hereinafter the "Invention") for which a Nonprovisional Patent Application has been filed with the United States Patent and Trademark Office on November 21, 2017, (hereinafter the "United States Patent Application") and

WHEREAS, E-Spectrum Technologies, Inc. (hereinafter "Assignee"), with its principle address at 12725 Spectrum Drive, San Antonio, Texas 78249, desires to obtain the entire rights, title, and interests in, to, and under the same Invention identified hereinabove;

Now, therefore, in consideration of the sum of ten dollars (\$10.00) to the Assignor in hand paid, and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Assignor, does hereby sell, assign, transfer, and set over unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in. to, and under the said Invention, and the United States Patent Application and all utility nonprovisional patent applications, divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be hereafter filed for the Invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the United States Patent Application under the Patent Laws of the United States, The International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; all forms of industrial property protection, including, without limitation, patents, utility models, and designs that may be granted for the Invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and any and all causes of action thereto that may have heretofore accrued in Assignor's favor, including the right to recover damages from said causes of action;

AND ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents of the United States, and Official of any country or countries foreign to the United States whose duty it is to issue Patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument:

AND ASSIGNOR HEREBY covenants that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND ASSIGNOR HEREBY further covenants and agrees that I will communicate to the Assignee, its successors, legal representatives, and assigns, any facts known to it respecting the Invention, and I will testify in any legal proceeding, sign all lawful papers, execute all divisions, continuation, continuations-in-part and reissue applications, make all rightful oaths and generally do everything possible to aid the Assignee, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Inventions in all countries including the right to sue for and recover for prior acts of infringement.

Assigned this 15 day of January, 2018 to Assignee by:

Jeffer Gabelmann

PATENT ASSIGNMENT

WHEREAS, I, Mark Oerkfitz, being a citizen of the United States of America, ("Assignor") am an Inventor of the invention entitled "MODULAR ELECTRODE TOOL FOR IMPROVED HYDRAULIC FRACTURE DIAGNOSTICS," (hereinafter the "Invention") for which a Nonprovisional Patent Application has been filed with the United States Patent and Trademark Office on November 21, 2017, (hereinafter the "United States Patent Application") and

WHEREAS, E-Spectrum Technologies, Inc. (hereinafter "Assignee"), with its principle address at 12725 Spectrum Drive, San Antonio, Texas 78249, desires to obtain the entire rights, title, and interests in, to, and under the same Invention identified hereinabove;

Now, therefore, in consideration of the sum of ten dollars (\$10.00) to the Assignor in hand paid, and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Assignor, does hereby sell, assign, transfer, and set over unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said Invention, and the United States Patent Application and all utility nonprovisional patent applications, divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be hereafter filed for the Invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the United States Patent Application under the Patent Laws of the United States, The International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; all forms of industrial property protection, including, without limitation, patents, utility models, and designs that may be granted for the Invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and any and all causes of action thereto that may have heretofore accrued in Assignor's favor, including the right to recover damages from said causes of action:

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Assigned this _____ day of January, 2018 to Assignee by:

Mark Oerkfitz

PATENT ASSIGNMENT

WHEREAS, I, Thomas Hosbach, being a citizen of the United States of America, ("Assignor") am an Inventor of the invention entitled "MODULAR ELECTRODE TOOL FOR IMPROVED HYDRAULIC FRACTURE DIAGNOSTICS," (hereinafter the "Invention") for which a Nonprovisional Patent Application has been filed with the United States Patent and Trademark Office on November 21, 2017, (hereinafter the "United States Patent Application") and

WHEREAS, E-Spectrum Technologies, Inc. (hereinafter "Assignee"), with its principle address at 12725 Spectrum Drive, San Antonio, Texas 78249, desires to obtain the entire rights, title, and interests in, to, and under the same Invention identified hereinabove;

Now, therefore, in consideration of the sum of ten dollars (\$10.00) to the Assignor in hand paid, and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Assignor, does hereby sell, assign, transfer, and set over unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to, and under the said Invention, and the United States Patent Application and all utility nonprovisional patent applications, divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be hereafter filed for the Invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the United States Patent Application under the Patent Laws of the United States, The International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; all forms of industrial property protection, including, without limitation, patents, utility models, and designs that may be granted for the Invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and any and all causes of action thereto that may have heretofore accrued in Assignor's favor, including the right to recover damages from said causes of action:

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Assigned this _____ day of January, 2018 to Assignee by:

Thomas Hosbach

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