

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4839976

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ELECTRO SCIENTIFIC INDUSTRIES, INC.	11/29/2017
RECEIVING PARTY DATA	
Name:	ELEMENTAL SCIENTIFIC LASERS, LLC
Street Address:	7277 WORLD COMMUNICATIONS DRIVE
City:	OMAHA
State/Country:	NEBRASKA
Postal Code:	68127
PROPERTY NUMBERS Total: 29	
Property Type	Number
Application Number:	62487657
Application Number:	62455066
Application Number:	15437804
Application Number:	62277349
Application Number:	15089845
Application Number:	62155312
Application Number:	61793422
Application Number:	14211976
Application Number:	61792016
Application Number:	14209843
Application Number:	14174677
Application Number:	61762860
Application Number:	14180849
Application Number:	14180855
Application Number:	13340011
Application Number:	13336991
Application Number:	13336992
Application Number:	12752800
Application Number:	12752788
Application Number:	13658062

PATENT

Property Type	Number
Application Number:	10301186
PCT Number:	US2011030757
PCT Number:	US2012063102
PCT Number:	US2012063097
PCT Number:	US2012071311
PCT Number:	US2014016085
PCT Number:	US2014015173
PCT Number:	US2014028050
PCT Number:	US2014028241

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NAME OF SUBMITTER:	KEVIN E. WEST
SIGNATURE:	/kevin e. west/
DATE SIGNED:	02/26/2018

Total Attachments: 6

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PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Electro Scientific Industries, Inc. having a primary place of business at 13900 N.W. Science Park Drive Portland, OR 97229 (“**Assignor**”), does hereby sell, assign, transfer and convey unto Elemental Scientific Lasers, LLC having a primary place of business at 7277 World Communications Dr., Omaha, NE 68127 (“**Assignee**”), all of Assignor’s entire right, title and interest in and to any and all of the following (collectively, “**Patent Rights**”):

(a) the patents, patent applications, and provisional patent applications listed on Exhibit A (the “**Patents**”);

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts to any patent or patent application falling in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (d) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (d), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (d), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (d);

(f) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type that claim priority to any item in any of the foregoing categories (a) through (e), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding; and

(g) all causes of action and enforcement rights with respect to the Patents, including all rights to pursue damages, injunctive relief and other remedies for past, current, and future infringement of the Patents.

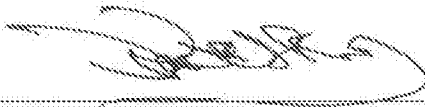
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, for Assignee to obtain, perfect, sustain, or enforce the Patent Rights.

IN WITNESS WHEREOF this Patent Assignment is executed at _____ on _____
November 29, 2017

ASSIGNOR:

Electro Scientific Industries, Inc.

By: 

Name: Paul Oldham

Title: Senior Vice President of Administration

Chief Financial Officer

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Paul Oldham to the above Patent Assignment on behalf of Electro Scientific Industries, Inc. and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Paul Oldham is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on November 29, 2017 to execute the above Patent Assignment on behalf of Electro Scientific Industries, Inc.
3. Paul Oldham subscribed to the above Patent Assignment on behalf of Electro Scientific Industries, Inc.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on Nov 29 / 2017 (date)

Print Name: Shirley Ong

Exhibit A

Patents

(See Attached)

ESI Dossier Number	Application Number	Publication Number	Country	Title	Abstract	Application Date	Publication Date	Status	New Wave Family (Yes/No)
E268	62/487,657		US	ADJUSTABLE SAMPLE FLOOR FOR ULTRAFAST SIGNAL WASHOUT SYSTEM AND METHOD FOR AUTOMATED SAMPLING AND ANALYSIS		2017-04-20		Pending	No
E264	62/455,066		US	SIMULTANEOUS PATTERN-SCAN PLACEMENT DURING SAMPLE PROCESSING		2017-02-21		Pending	No
E251	15/437,804		US	SIMULTANEOUS PATTERN-SCAN PLACEMENT DURING SAMPLE PROCESSING		2017-01-10		Pending	No
E251	PC1/US17/12871		WO	SIMULTANEOUS PATTERN-SCAN PLACEMENT DURING SAMPLE PROCESSING		2016-01-11		Expired	No
E247	62/277,349		US	Motorized tracking of sample cell within specimen chamber and methods of using the same		2016-04-14	2016-11-03	Pending	No
E247	15/089,845		US	Motorized tracking of sample cell within specimen chamber and methods of using the same		2015-04-30		Expired	No
E247	62/155,312		US	FULLY INTEGRATED LA-ICP-MS INSTRUMENT		2013-03-15		Expired	No
E203	61/793,422		US	Image recognition base ablation pattern position recall		2014-03-14	2014-09-18	Expired	No
E195	PC1/US14/28241		WO	Image recognition base ablation pattern position recall		2014-03-14	2014-09-25	Pending	No
E195	14/111,976		US	Image recognition base ablation pattern position recall		2015-03-15		Expired	No
E195	61/792,016		US	Image recognition base ablation pattern position recall		2014-03-14	2014-11-16	Pending	No
E195	103/029576		TW	Image recognition base ablation pattern position recall		2015-11-20		Pending	No
E195	10-2015-7029476		KR	Reproduction of the ablation pattern position based on the image recognition		2016-06-30		Pending	No
E195	EP2014762234A		EP	Image recognition base ablation pattern position recall		2014-03-14	2016-01-20	Abandoned	Yes
E195	EP2014762234A		JP	Image recognition base ablation pattern position recall		2014-03-14	2016-01-20	Abandoned	Yes
E195	CN201480015608A		CN	Laser sampling methods for reducing thermal effects		2014-03-14	2014-09-18	Abandoned	Yes
E190	WO201401528050A		WO	Laser sampling methods for reducing thermal effects		2014-03-14	2014-09-18	Abandoned	Yes
E190	14/209843		US	Laser sampling methods for reducing thermal effects		2014-03-14	2014-11-16	Abandoned	Yes
E190	103/09574		TW	Laser sampling methods for reducing thermal effects		2015-11-20		Abandoned	Yes
E190	10-2015-7022478		KR	Laser sampling methods for reducing thermal effects		2016-06-16		Abandoned	Yes
E190	2016-502693		JP	Laser sampling methods for reducing thermal effects		2016-06-16		Abandoned	Yes
E190	EP2014764585A		EP	Laser sampling methods for reducing thermal effects		2016-01-20		Abandoned	Yes
E190	CN201480014602A		CN	Laser sampling methods for reducing thermal effects		2015-12-02		Abandoned	Yes
E190	AU2014228108A		AU	Laser sampling methods for reducing thermal effects		2015-09-03		Abandoned	Yes
E177	WO201401515173A		WO	In-chamber fluid handling system and methods handling fluids using the same		2014-02-06	2014-08-14	Granted	Yes
E177	14/174677		US	In-chamber fluid handling system and methods handling fluids using the same		2016-12-20		Granted	Yes
E177	US9,534,856		US	In-chamber fluid handling system and methods handling fluids using the same		2016-12-20		Expired	Yes
E177	103/042023		TW	In-chamber fluid handling system and methods handling fluids using the same		2014-08-16		Pending	Yes
E177	10-2015-7024720		KR	In-chamber fluid handling system and methods handling fluids using the same		2015-11-27		Pending	Yes
E177	2015-557081		JP	Method of processing fluid using the fluid handling system and which chamber		2016-04-04		Pending	Yes
E177	EP20147492139A		EP	In-chamber fluid handling system and methods handling fluids using the same		2015-12-16		Pending	Yes
E177	CN201480007996A		CN	In-chamber fluid handling system and methods handling fluids using the same		2016-01-06		Pending	Yes
E177	AU2014214898A		AU	In-chamber fluid handling system and methods handling fluids using the same		2015-07-30		Pending	Yes
E176	WO201401516085		WO	Laser ablation cell and torch system for a compositional analysis system		2014-02-12	2014-08-21	Expired	Yes
E176	14/180849		US	Laser ablation cell and torch system for a compositional analysis system		2014-08-14		Abandoned	Yes
E176	14/180855		US	Laser ablation cell and torch system for a compositional analysis system		2014-08-14		Pending	Yes
E176	103/04712		TW	Laser ablation cell and torch system for a compositional analysis system		2014-12-16		Pending	Yes
E176	103/04709		TW	Laser ablation cell and torch system for a compositional analysis system		2014-12-16		Pending	Yes
E176	10-2015-7022052		KR	Laser ablation cell and torch system for a compositional analysis system		2015-10-13		Pending	Yes
E176	2015-558111		JP	Laser ablation cell and torch system for a compositional analysis system		2016-05-12		Pending	Yes
E176	201407351410		EP	Laser ablation cell and torch system for a compositional analysis system		2015-12-23		Pending	Yes
E176	2014809549		CN	Laser ablation cell and torch system for a compositional analysis system		2015-11-18		Pending	Yes
E176	PC1/US2012/71311		WO	Spectroscopy data display systems and methods		2012-12-21	2013-07-04	Expired	No
E176	13/340911		US	Spectroscopy data display systems and methods		2014-03-04		Granted	No
E176	101/46831		TW	Spectroscopy data display systems and methods		2013-08-01		Granted	No
E176	10-2014-7017551		KR	Spectroscopy data display systems and methods		2014-09-04		Pending	No
E176	6152281		JP	Spectroscopy data display systems and methods		2015-02-05		Granted	No
E176	EP2798332A4		EP	Spectroscopy data display systems and methods		2015-08-19		Pending	No
E176	EP2798332A1		EP	Spectroscopy data display systems and methods		2014-11-05		Pending	No
E176	CN201280057991A		CN	Spectroscopy data display systems and methods		2012-12-21	2014-07-30	Granted	No
E176	CN201280057991A		CN	Spectroscopy data display systems and methods		2016-10-26		Pending	No
E176	CA2854941A1		CA	Spectroscopy data display systems and methods		2013-07-04		Pending	No
E176	WO2013095784		WO	Apparatus and method for transporting an aerosol		2013-06-27		Expired	Yes
E176	US867906A82		US	Apparatus and method for transporting an aerosol		2014-11-04		Granted	Yes
E176	101/141110		TW	Apparatus and method for transporting an aerosol		2016-11-21		Granted	Yes
E176	10-2014-7020359		KR	Apparatus and method for transporting an aerosol		2014-08-11		Pending	Yes
E176	2014-549050		JP	Apparatus and method for transporting an aerosol		2015-03-02		Granted	Yes
E176	EP2012860555A		EP	Apparatus and method for transporting an aerosol		2015-07-22		Pending	Yes
E176	EP2012860555A		EP	Apparatus and method for transporting an aerosol		2014-10-29		Pending	Yes
E176	CN201280063983A		CN	Carry aerosoloidal apparatus and method for		2014-09-10		Granted	Yes
E176	WO20120563102A		WO	Method and apparatus for adjusting radiation spot size		2013-06-27		Expired	Yes

ESI CONFIDENTIAL INFORMATION

