

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3600014

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VOLCANO CORPORATION	10/05/2015

RECEIVING PARTY DATA

Name:	AXSUN TECHNOLOGIES, INC.
Street Address:	1 FORTUNE DR
City:	BILLERICA
State/Country:	MASSACHUSETTS
Postal Code:	01821

PROPERTY NUMBERS Total: 25

Property Type	Number
Patent Number:	8059277
Patent Number:	8139226
Patent Number:	8437007
Patent Number:	8457440
Patent Number:	8564783
Patent Number:	8665450
Patent Number:	8953167
Patent Number:	8259303
Patent Number:	9046337
Application Number:	11626660
Application Number:	12027710
Application Number:	13271388
Application Number:	13568507
Application Number:	13568717
Application Number:	13650665
Application Number:	13852769
Application Number:	14028873
Application Number:	14143303
Application Number:	14159748
Application Number:	14257568

PATENT

Property Type	Number
Application Number:	14809747
Application Number:	62029003
PCT Number:	US2015026394
PCT Number:	US2015042236
Patent Number:	8836953

CORRESPONDENCE DATA

Fax Number: (781)863-9931

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: 7818639991

Email: grant.Houston@houstonllp.com

Correspondent Name: J. GRANT HOUSTON

Address Line 1: 1666 MASSACHUSETTS AVE., SUITE 12

Address Line 2: HOUSTONHOGLE LLP

Address Line 4: LEXINGTON, MASSACHUSETTS 02420

ATTORNEY DOCKET NUMBER:	0005.0000.001
NAME OF SUBMITTER:	J. GRANT HOUSTON
SIGNATURE:	/grant houston/
DATE SIGNED:	11/03/2015

Total Attachments: 8

- source=Assignment Volcano to Axsun#page1.tif
- source=Assignment Volcano to Axsun#page2.tif
- source=Assignment Volcano to Axsun#page3.tif
- source=Assignment Volcano to Axsun#page4.tif
- source=Assignment Volcano to Axsun#page5.tif
- source=Assignment Volcano to Axsun#page6.tif
- source=Assignment Volcano to Axsun#page7.tif
- source=Assignment Volcano to Axsun#page8.tif

PATENT APPLICATION ASSIGNMENT

PATENT APPLICATION ASSIGNMENT (hereinafter referred to as "Assignment") between **Volcano Corporation**, a Delaware Corporation, whose post office address is 3721 Valley Centre Drive, Suite 500, San Diego, CA 92130 (hereinafter referred to as "Assignor"), and **Axsun Technologies, Inc.**, a Delaware Corporation, whose post office address is 1 Fortune Dr, Billerica, MA 01821 (hereinafter referred to as "Assignee").

RECITALS

WHEREAS, Assignor agrees to sell and Assignee agrees to purchase certain intangible assets presently held by Assignor;

WHEREAS, included among the assets to be purchased by Assignee are certain inventions, patents, patent applications and know-how (hereinafter referred to as "Patent Applications"), including without limitation certain Patent Applications set forth in **Exhibit A** attached hereto; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignor, Assignor hereby agrees as follows:

Assignment of Patent Applications:

(a) Assignor hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, Assignor's entire right, title and interest for all countries in and to: (i) each of the Patent Applications listed in **Exhibit A** hereof; (ii) any and all of the inventions which are disclosed and claimed in the Patent Applications; (iii) any and all of the inventions which are disclosed, but not claimed in any of the Patent Applications; (iv) all divisional, continuing, substitute, renewal, reissue, and all other patents and applications for patent, industrial property or other related property rights in any and all countries which have been or shall be filed on any of the inventions disclosed in any of the Patent Applications; (v) all original and reissued patents, industrial property or related documents, which have been or shall be issued on any such inventions disclosed in any of the Patent Applications; and (vi) all rights to sue and recover for, and all rights to, profits or damages due or accrued arising out of or in connection with any and all past, present, or future infringements of any or all of the Patent Applications or patents arising therefrom.

(b) Assignor authorizes and requests the respective worldwide Patent, Letters Patent and Industrial Property Offices to issue to the Assignee, its successors, assigns and legal representatives, in accordance with this Assignment, any and all patents, letters patent or industrial property on the inventions or any of them disclosed in any of the Patent Applications.

(c) Assignor authorizes and agrees that the Assignee may apply for and receive patents, letters patents, industrial property or rights of any other kind for the inventions disclosed in any of the Patent Applications; and may claim, in applications for said patents, letters patent, industrial property or other rights, the priority of the Patent Applications under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement.

(d) Assignor authorizes and agrees that when requested, without charge to Assignor, but at the expense of, the Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the Assignor or the Assignor's executors or administrators will, for all countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent, letters patent or industrial property applications or other documents on any and all such inventions disclosed in any of the Patent Applications; execute all rightful oaths, agreements, powers of attorney and other papers; communicate to the Assignee, its successors, assigns and representatives, all facts known and documents available to the Assignor relating to said inventions and the history thereof; testify in all legal proceedings (provided, the Assignor shall not be required to incur any out of pocket costs), and generally do everything possible which the Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related rights and all patents, letters patent or industrial property on such inventions, in the Assignee, its successors, assigns and legal representatives.

[Rest of Page Intentionally Left Blank]

PATENT APPLICATION ASSIGNMENT

ASSIGNOR:

Volcano Corporation

By: [Signature]

Name: JOSEPH E. INNAMORATI

Title: VICE PRESIDENT

Date: October 5, 2015

State of CONNECTICUT)

County of Fairfield)

ss.

On October 5, 2015, before me, Lori Simone, Notary Public, personally appeared JOSEPH E. INNAMORATI VICE PRESIDENT, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Lori Simone

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: _____

LORI SIMONE
NOTARY PUBLIC
CONNECTICUT
MY COMMISSION EXPIRES
3/31/2018

EXHIBIT A

U.S. Patents and Applications

Title	Patent Office	Status	Application No.	Filing Date	Patent or Publication No.	Issue or Pub. Date
METHOD AND SYSTEM FOR PAY-PER-USE PRESCRIPTION VALIDATION	U.S.A.	Abandoned	11/626,660	24-Jan-2007	2008/0177568	24-Jul-2008
OCT COMBINING PROBES AND INTEGRATED SYSTEMS	U.S.A.	Granted	12/466,993	15-May-2009	8259303	4-Sep-2012
OCT COMBINING PROBES AND INTEGRATED SYSTEMS	U.S.A.	Published	13/568,507	7-Aug-2012	2012/0300215	29-Nov-2012
INTEGRATED OPTICAL COHERENCE ANALYSIS SYSTEM	U.S.A.	Published	13/568,717	7-Aug-2012	2012/0300216	29-Nov-2012
MODE HOPPING SWEPT FREQUENCY LASER FOR FD OCT AND METHOD OF OPERATION	U.S.A.	Granted	12/027,709	7-Feb-2008	8,059,277	15-Nov-2011
LINEARIZED SWEPT LASER SOURCE FOR OPTICAL COHERENCE ANALYSIS SYSTEM	U.S.A.	Abandoned	12/027,710	7-Feb-2008	2009/0059971	5-Mar-2009
SWEPT FREQUENCY LASER FOR FD OCT WITH INTRACAVITY ELEMENT AND METHOD OF OPERATION	U.S.A.	Published	13/271,388	12-Oct-2011	2012/0026505	2-Feb-2012
OPTICAL COHERENCE TOMOGRAPHY LASER WITH INTEGRATED CLOCK	U.S.A.	Granted	12/396,099	2-Mar-2009	8,564,783	22-Oct-2013

OPTICAL COHERENCE TOMOGRAPHY LASER WITH INTEGRATED CLOCK	U.S.A.	Published	14/028,873	17-Sep-2013	2014/0016135	16-Jan-2014
METHOD AND SYSTEM FOR BACKGROUND SUBTRACTION IN MEDICAL OPTICAL COHERENCE TOMOGRAPHY SYSTEM	U.S.A.	Granted	12/695,029	27-Jan-2010	8,457,440	4-Jun-2013
SOFT CLOCK DELAY FOR OCT SYSTEM AND METHOD THEREFOR	U.S.A.	Granted	12/431,215	28-Apr-2009	8,139,226	20-Mar-2012
INTEGRATED DUAL SWEPT SOURCE FOR OCT MEDICAL IMAGING	U.S.A.	Granted	12/572,925	2-Oct-2009	8,665,450	4-Mar-2014
INTEGRATED DUAL SWEPT SOURCE FOR OCT MEDICAL IMAGING	U.S.A.	Published	14/159,748	21-Jan-2014	2014-0168658	19-Jun-2014
INTEGRATED OCT DETECTOR SYSTEM WITH TRANSIMPEDANCE AMPLIFIER	U.S.A.	Granted	12/981,770	30-Dec-2010	9,046,337	2-Jun-2015
INTEGRATED OPTICAL COHERENCE TOMOGRAPHY SYSTEM	U.S.A.	Granted	12/981,783	30-Dec-2010	8,437,007	7-May-2013
INTEGRATED OPTICAL COHERENCE TOMOGRAPHY SYSTEM	U.S.A.	Published	13/852,769	28-Mar-2013	2014/0125987	8-May-2014
MULTI-SPEED OCT SWEPT SOURCE WITH OPTIMIZED K-CLOCK	U.S.A.	Published	13/650,665	12-Oct-2012	2013/0271772	17-Oct-2013
OCT SYSTEM WITH TUNABLE CLOCK SYSTEM FOR FLEXIBLE DATA	U.S.A.	Granted	13/670,935	7-Nov-2012	8,953,167	10-Feb-2015

ACQUISITION						
OCT SYSTEM WITH PHASE SENSITIVE INTERFERENCE SIGNAL SAMPLING	U.S.A.	Granted	13/670,938	7-Nov-2012	8,836,953	16-Sep-2014
SYSTEM AND METHOD FOR RESAMPLING OPTICAL COHERENCE TOMOGRAPHY SIGNALS IN SEGMENTS	U.S.A.	Pending	14/257,568	21-Apr-2014		
SPECTRAL FILTERING OF K-CLOCK SIGNAL IN OCT SYSTEM AND METHOD	U.S.A.	Pending	14/143,303	30-Dec-2013		
REAL TIME FPGA RESAMPLING FOR SWEEP SOURCE OCT	U.S.A.	Pending	62/029,003	25-Jul-2014		

Foreign Patents and Applications

Title	Patent Office	Status	Application No.	Filing Date	Patent or Publication No.	Pub. Date
OCT COMBINING PROBES AND INTEGRATED SYSTEMS	Europe	Granted	EP 09747698.0	15-May-2009	EP 2315999 B1	20-Nov-2013
OCT COMBINING PROBES AND INTEGRATED SYSTEMS	Europe	Published	EP 13185133.9	15-May-2009	EP 2677272 A1	25-Dec-2013
OCT COMBINING PROBES AND INTEGRATED SYSTEMS	Japan	Granted	2011-509758	15-May-2009	5538368	9-May-2014
OPTICAL COHERENCE TOMOGRAPHY LASER WITH INTEGRATED CLOCK	Europe	Published	EP 09747695.6	15-May-2009	EP 2286174 B1	22-Oct-2014
OPTICAL COHERENCE TOMOGRAPHY	Japan	Granted	JP 20110509756	15-Mar-2009	5497748	14-Mar-2014

LASER WITH INTEGRATED CLOCK						
OPTICAL COHERENCE TOMOGRAPHY LASER LIGHT SOURCE WITH INTEGRATED CLOCK	Japan	Published	JP 20140043714	6-Mar-2014	JP 2014098723	29-May-2014
INTEGRATED OPTICAL COHERENCE TOMOGRAPHY SYSTEM	China	Published	CN 2011867945	16-Dec-2011	CN 103370597 (A)	23-Oct-2013
INTEGRATED BALANCED OPTICAL DETECTOR SYSTEM WITH AMPLIFIER FOR OCT IMAGING	Europe	Published	EP 20110808765.9	16-Dec-2011	EP 2659222 (A1)	6-Nov-2013
INTEGRATED OPTICAL COHERENCE TOMOGRAPHY SYSTEM	Europe	Published	EP 20110811446.1	16-Dec-2011	EP 2659223 (A2)	6-Nov-2013
INTEGRATED OCT DETECTOR SYSTEM WITH TRANSMIMPEDANCE AMPLIFIER	Japan	Published	JP 20130547522	16-Dec-2011	JP 2014502727 (A)	3-Feb-2014
INTEGRATED OPTICAL COHERENCE TOMOGRAPHY SYSTEM	Japan	Published	JP 20130547523	16-Dec-2011	JP 2014505868 (A)	6-Mar-2014
MULTI-SPEED OCT SWEPT SOURCE WITH OPTIMIZED K-CLOCK	PCT	Published	PCT/US13/35544	8-Apr-2013	WO 2013/154953	17-Oct-2013
OCT SYSTEM WITH TUNABLE CLOCK SYSTEM FOR FLEXIBLE DATA ACQUISITION	PCT	Published	PCT/US13/61724	25-Sep-2013	WO 2014/074240	8-Oct-2013
OCT SYSTEM WITH PHASE SENSITIVE INTERFERENCE	PCT	Published	PCT/US13/61727	25-Sep-2013	WO 2014/074241	15-May-2014

SIGNAL SAMPLING						
--------------------	--	--	--	--	--	--