

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5847522

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
ESPEN TECHNOLOGY INC.	10/31/2019
RECEIVING PARTY DATA	
Name:	PIERMONT BANK
Street Address:	4 BRYANT PARK, THIRD FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10018
PROPERTY NUMBERS Total: 11	
Property Type	Number
Patent Number:	8896226
Patent Number:	9000832
Patent Number:	9078322
Patent Number:	9078326
Patent Number:	9101000
Patent Number:	9101002
Patent Number:	9131579
Patent Number:	9264036
Patent Number:	9282617
Patent Number:	9420655
Patent Number:	9516717
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	732.448.2513
Email:	gkrauss@windelsmarx.com
Correspondent Name:	GREGORY T. KRAUSS
Address Line 1:	120 ALBANY STREET PLAZA
Address Line 4:	NEW BRUSNWICK, NEW JERSEY 08901

NAME OF SUBMITTER:	GREGORY T. KRAUSS
SIGNATURE:	/Gregory T. Krauss/
DATE SIGNED:	12/03/2019
Total Attachments: 12 source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page1.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page2.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page3.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page4.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page5.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page6.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page7.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page8.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page9.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page10.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page11.tif source=Patent and Trademark Security Agreement - Espen (40848037x9FC76)#page12.tif	

Patent and Trademark Security Agreement

This **PATENT AND TRADEMARKSECURITY AGREEMENT** (this “Agreement”), dated as of October 31, 2019, between **ESPEN TECHNOLOGY INC.**, a California corporation (the “**Debtor**”), and **PIERMONT BANK**, a New York state chartered commercial bank (the “**Secured Party**”).

Debtor and Secured Party hereby agree as follows:

SECTION 1. Definitions; Interpretation.

(a) **Terms Defined in Loan Agreement.** All capitalized terms used in this Agreement and not otherwise defined herein shall have the meanings assigned to them in the Loan Agreement.

(b) **Certain Defined Terms.** As used in this Agreement, the following terms shall have the following meanings:

“Collateral” has the meaning set forth in Section 2.

“Loan Agreement” means the Loan and Security Agreement dated as of the date hereof, between Debtor and Secured Party.

“PTO” means the United States Patent and Trademark Office.

“UCC” shall mean the Uniform Commercial Code of New York as in effect in New York from time to time.

(c) **Terms Defined in UCC.** Where applicable in the context of this Agreement and except as otherwise defined herein, terms used in this Agreement shall have the meanings assigned to them in the UCC.

(d) **Construction.** In this Agreement, the following rules of construction and interpretation shall be applicable: (i) no reference to “proceeds” in this Agreement authorizes any sale, transfer, or other disposition of any Collateral by Debtor except as otherwise permitted by the Loan Agreement; (ii) “includes” and “including” are not limiting; (iii) “or” is not exclusive; and (iv) “all” includes “any” and “any” includes “all.” To the extent not inconsistent with the foregoing, the rules of construction and interpretation applicable to the Loan Agreement shall also be applicable to this Agreement and are incorporated herein by this reference.

SECTION 2. Security Interest.

(a) **Grant of Security Interest.** As security for the payment of, and performance of all obligations in connection with, the Indebtedness (as defined in the Loan Agreement), Debtor hereby collaterally assigns to Secured Party, and grants to Secured Party a security interest in and mortgage upon, but not an ownership interest (prior to the exercise by the Secured Party of its remedies hereunder following an Event of Default) to, all of Debtor’s right, title and interest in, to and under the following property, in each case whether now or hereafter existing or arising or in

which Debtor now has or hereafter owns, acquires or develops an interest and wherever located (collectively, the "Collateral"):

- (i) all U.S. patents and patent applications (each, a "Patent" and collectively the "Patents"), including but not limited to those U.S. patent registrations and/or applications listed on Schedule A attached hereto;
 - (ii) to the extent assignable, all licenses relating to any Patent or Patents, and all income and royalties with respect to any licenses (including such Patents as described in Schedule A), all rights to sue for past, present or future infringement thereof, all rights arising therefrom and pertaining thereto and all reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof;
 - (iii) all state (including common law) and federal trademarks, service marks, and trade names, and applications for registration of such trademarks, service marks and trade names (but excluding any application to register any trademark, service mark, trade name, or other mark prior to the filing under applicable law of a verified statement of use (or the equivalent) for such trademark, service mark, trade name, or other mark, only to the extent the creation of a security interest therein or the grant of a mortgage thereon would void or invalidate such trademark, service mark, trade name, or other mark) (each, a "Mark" and collectively the "Marks", and collectively with the Patents, the "IP"), including but not limited to those U.S. federal trademark registrations and/or applications listed on Schedule B attached hereto (the "Registered Marks") together with the entire goodwill of the businesses now or hereafter conducted by Debtor connected with and symbolized by the Marks;
 - (iv) to the extent assignable, all licenses relating to any of the Marks, and all income and royalties with respect to any licenses (including such Marks, names and applications as described in Schedule B), whether registered or unregistered and wherever registered, all rights to sue for past, present or future infringement or unconsented use thereof, all rights arising therefrom and pertaining thereto and all reissues, extensions and renewals thereof; and
 - (v) to the extent assignable, all general intangibles and all intangible intellectual or other similar property of Debtor of any kind or nature, associated with or arising out of any of the IP and not otherwise described above; and
 - (iv) all proceeds of any and all of the foregoing Collateral (including license royalties, rights to payment, accounts and proceeds of infringement suits) and, to the extent not otherwise included, all payments under insurance (whether or not Secured Party is the loss payee thereof) or any indemnity, warranty or guaranty payable by reason of loss or damage to or otherwise with respect to the foregoing Collateral.
- (b) **Continuing Security Interest.** Debtor agrees that this Agreement shall create a continuing security interest in the Collateral which shall remain in effect until terminated in accordance with Section 11.

(c) **Conditional Assignment.** In addition to, and not by way of limitation of, the grant of a security interest in the Collateral, Debtor hereby grants, assigns, transfers, and conveys to Secured Party the Collateral; provided, however, that such grant, assignment, transfer, and conveyance shall be and become of force and effect only upon the occurrence and continuance of an Event of Default under the Loan Agreement and either (i) upon the written demand of Secured Party at any time during a continuance of an Event of Default in connection with the Secured Party's enforcement of its rights, or (ii) immediately and automatically (without notice or action of any kind by Secured Party) upon a foreclosure upon the Collateral pursuant to the Uniform Commercial Code (including, without limitation, the transfer or other disposition of the Collateral by Debtor to Secured Party in lieu of foreclosure). Upon the effectiveness of such grant, assignment, transfer, and conveyance, Secured Party may (but shall not be obligated to) grant to Debtor, its successors, and permitted assigns, a worldwide, royalty-free, transferable and sublicenseable, fully-paid up right, terminable at any time, to: (y) make, use, offer for sale, design, reproduce, make derivative works from, and publicly distribute the Collateral, and (z) use the Collateral in conjunction with its regular business operations. Upon the effectiveness of the grant, assignment, transfer, and conveyance provided herein, Secured Party shall own the entire right, title, and interest in and to the Collateral, free and clear of any lien, charge, encumbrance, or claim of Debtor or any other party.

SECTION 3. Supplement to Loan Agreement. This Agreement has been entered into in conjunction with the security interests granted to Secured Party under the Loan Agreement or other Loan Documents. The rights and remedies of Secured Party with respect to the security interests granted herein are without prejudice to, and are in addition to those set forth in the Loan Agreement or the other Loan Documents, all terms and provisions of which are incorporated herein by reference.

SECTION 4. Representations and Warranties. Debtor represents and warrants to Secured Party that:

(a) (i) **Patents.** As of the date hereof, a true and correct list of all of the existing Patents owned by Debtor, in whole or in part, is set forth in Schedule A.

(ii) **Trademarks.** As of the date hereof, a true and correct list of all of the existing Marks owned by Debtor, in whole or in part, is set forth in Schedule B.

(b) **Power and Authority.** Debtor has the full power and authority to execute and deliver this Agreement and to perform its obligations hereunder. The execution, delivery, and performance of this Agreement will not conflict with or contravene any contract or agreement to which Debtor is bound, except to the extent such conflict or contravention would not reasonably be expected to have a Material Adverse Effect.

(c) **Sole Owner.** Debtor has good and marketable title to the IP, free and clear of any liens, charges, security interest, or other encumbrance, other than liens, charges, security interests, or other encumbrances in favor of Secured Party.

(d) **Validity.** The IP and their related rights are subsisting, have not been adjudged invalid or unenforceable, and to the best of Debtor's knowledge there are no pending or threatened claims by any third parties that any of the rights related to the IP are invalid or unenforceable. Other than those for which duly executed termination statements have been delivered to Secured Party, there is not on file in any governmental or regulatory authority, agency, or recording office any effective financing statement, security agreement, assignment, license, or transfer or notice of any of the foregoing (other than those that may have been filed in favor of Secured Party or which are permitted under the Loan Agreement) covering any of the Collateral, and Debtor is not aware of any such filing other than those for which duly executed termination statements have been delivered, or will be delivered upon funding of the Loans, to Secured Party. So long as this Agreement shall be in effect, Debtor shall not execute and shall not permit to be on file in any such office or agency any such financing statement or other document or instrument (except financing statements or other documents or instruments filed or to be filed in favor of Secured Party or which are permitted under the Loan Agreement).

(e) **No Third Party Rights.** No claim has been made that, upon closing under the Loan Agreement, Debtor's use of any of the Collateral may violate the rights of any third party. There have been no adverse decisions with respect to Debtor's ownership rights in or exclusive rights to use the IP on or after the closing under the Loan Agreement, or to its right, upon closing under the Loan Agreement to use and register the IP in any jurisdiction, or to keep and maintain such registrations in full force and effect after the closing under the Loan Agreement. There is no proceeding involving said future rights of Debtor threatened or pending in the PTO or to the best knowledge of Debtor, any similar office or agency of the United States or any foreign country, or any state or foreign country or in any court.

(f) **No Adverse Decisions.** Debtor shall promptly notify Secured Party of the institution of, and any adverse decision in, any proceeding in the PTO or any similar office or agency of the United States or any state or any foreign country, or any court, regarding Debtor's claim of ownership in any of the IP, its right to register any of the same, or to keep and maintain any such registration which would reasonably be expected to have a Material Adverse Effect.

(g) **Policing of IP.** Debtor shall use the Collateral in its business in substantially the same or similar manner as it has been used in the past, with the same requirements and quality standards as in the past have been and now are applicable to its goods and services. Debtor shall use the Collateral only with the statutory and other appropriate notices of the registrations and ownership thereof. The foregoing, or anything else in this Agreement, to the contrary notwithstanding, Debtor may use the Collateral in any commercially reasonable manner that is not necessarily the same or similar to the manner it has been used in the past, including, but not limited to, the licensing, assigning or other commercialization of any item of the Collateral to third parties, in each case subject to the Secured Party's prior consent, which shall not be unreasonably withheld, conditioned or delayed.

(h) **No Unauthorized Use.** To the best of Debtor's knowledge and belief, except as set forth herein, there is at present no infringement or unauthorized or improper use of the IP. Debtor shall use commercially reasonable efforts to detect any such infringement or unauthorized or improper use of any IP: provided, however, that Debtor shall have no obligation to detect any

infringement or unauthorized or improper use of a IP in the event Debtor determines, in its reasonable business judgment, after consultation with the Secured Party, that such IP is no longer necessary or desirable in the conduct of its business. In the event of any such infringement or unauthorized or improper use by any third party, Debtor shall promptly notify Secured Party and shall have the first opportunity to sue and recover therefor and to retain any and all damages so recovered or obtained. In the event Debtor fails to so sue or bring legal action, Debtor shall notify Secured Party within thirty (30) days after the date of original notice to Debtor of infringement or unauthorized or improper use. If an Event of Default shall occur and be continuing, Secured Party shall save the right (but not the obligation), at Debtor's expense (including but not limited to reasonable attorney fees), and in the name of Debtor or Secured Party (in the sole discretion of Secured Party), to sue and recover for such infringement or unauthorized or improper use and obtain directly any and all damages recoverable on account thereof; any expenses incurred by Secured Party in any such case shall be added to the principal amount of the Loans.

(i) **Records.** Debtor will diligently keep complete and accurate records with respect to the Collateral, and will at all times keep at least one set or such records at its chief executive office or principal place of business. Debtor shall, upon reasonable prior notice by Secured Party and at reasonable times, permit Secured Party (or Secured Party's designee) from time to time to review, inspect, and examine such records.

SECTION 5. Further Acts. On a continuing basis, Debtor shall make, execute, acknowledge and deliver, and file and record in the proper filing and recording places, all such instruments and documents, and take all such action as may be necessary or may be reasonably requested by Secured Party to assure, confirm or protect the grant or perfection of the security interest granted or purported to be granted hereby, to ensure Debtor's compliance with this Agreement or to enable Secured Party to exercise and enforce its rights and remedies hereunder with respect to the Collateral, including any documents for filing with the PTO or any applicable state office. Secured Party may record this Agreement, an abstract thereof, or any other document describing Secured Party's interest in the Collateral with the PTO or any applicable state office, at the expense of Debtor. In addition, Debtor authorizes Secured Party to file financing statements describing the Collateral in any UCC filing office deemed appropriate by Secured Party. If the Debtor shall at any time hold or acquire a commercial tort claim arising with respect to the Collateral, the Debtor shall immediately notify Secured Party in a writing signed by the Debtor of the brief details thereof and grant to the Secured Party in such writing a security interest therein and in the proceeds thereof, all upon the terms of this Agreement, with such writing to be in form and substance satisfactory to the Secured Party.

SECTION 6. Authorization to Supplement.

(a) **Patents.** If Debtor shall obtain rights to any new patentable inventions or become entitled to the benefit of any patent application or patent for any reissue, division, or continuation, of any patent, the provisions of this Agreement shall automatically apply thereto. Debtor shall give prompt notice in writing to Secured Party with respect to any such new patent rights. Without limiting Debtor's obligations under this Section 6(a), Debtor authorizes Secured Party unilaterally to modify this Agreement by amending Schedule A to include any such new patent rights. Notwithstanding the foregoing, no failure to so modify this Agreement or amend

Schedule A shall in any way affect, invalidate or detract from Secured Party's continuing security interest in all Collateral, whether or not listed on Schedule A. In the event any pending or hereafter filed application for Patent registration, has been rejected by the PTO or any other trademark office or agency and Debtor determines in its reasonable business judgment that further prosecution of such application is not warranted, Debtor shall promptly notify Secured Party thereof in writing and may cease to prosecute such application thirty (30) days after such notice.

(b) Trademarks. If Debtor shall obtain rights to any new Marks, the provisions of this Agreement shall automatically apply thereto. Debtor shall give prompt notice in writing to Secured Party with respect to any such new Marks or renewal or extension of any Mark registration. Without limiting Debtor's obligations under this Section 6(b), Debtor authorizes Secured Party to modify this Agreement by amending Schedule A to include any such new rights. Notwithstanding the foregoing, no failure to so modify this Agreement or amend Schedule A shall in any way affect, invalidate or detract from Secured Party's continuing security interest in all Collateral, whether or not listed on Schedule B. In the event any pending or hereafter filed application for Mark registration, other than a renewal of a trademark registration, has been rejected by the PTO or any other trademark office or agency and Debtor determines in its reasonable business judgment that further prosecution of such application is not warranted, Debtor shall promptly notify Secured Party thereof in writing and may cease to prosecute such application thirty (30) days after such notice.

SECTION 7. Binding Effect. This Agreement shall be binding upon, inure to the benefit of and be enforceable by Debtor, Secured Party and their respective successors and assigns. Debtor may not assign, transfer, hypothecate or otherwise convey its rights, benefits, obligations or duties hereunder except as specifically permitted by the Loan Agreement.

SECTION 8. Governing Law. This Agreement shall be governed by, and construed in accordance with, the law of the State of New York, except as required by mandatory provisions of law or to the extent the perfection or priority of the security interests hereunder, or the remedies hereunder, in respect of any Collateral are governed by the law of a jurisdiction other than New York.

SECTION 9. Entire Agreement; Amendment. This Agreement and the Loan Documents, together with the Schedules hereto and thereto, contains the entire agreement of the parties with respect to the subject matter hereof and supersedes all prior drafts and communications relating to such subject matter. Neither this Agreement nor any provision hereof may be modified, amended or waived except by the written agreement of the parties hereto. Notwithstanding the foregoing, Secured Party unilaterally may re-execute this Agreement or modify, amend or supplement the Schedule hereto as provided in Section 6 hereof. The Secured Party shall provide written notice to Debtor of any such modification, amendment or supplement. To the extent that any provision of this Agreement conflicts with any provision of the Loan Documents, the provision giving Secured Party greater rights or remedies shall govern, it being understood that the purpose of this Agreement is to add to, and not detract from, the rights granted to Secured Party under the Loan Documents.

SECTION 10. Counterparts. This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so

executed shall be deemed to be an original and all of which taken together shall constitute but one and the same agreement. Delivery of an executed counterpart of this Agreement by facsimile shall be equally as effective as delivery of a manually executed counterpart. Any party hereto delivering a counterpart of this Agreement by facsimile shall also deliver a manually executed counterpart, but the failure to so deliver a manually executed counterpart shall not affect the validity, enforceability, or binding effect hereof.

SECTION 11. Termination. Upon payment in full, and the performance of all obligations in connection with, the Indebtedness (as defined in the Loan Agreement), the security interests created by this Agreement shall terminate automatically and Secured Party (at Debtor's expense) shall promptly execute and deliver to Debtor such documents and instruments reasonably requested by Debtor as shall be necessary to evidence termination of all such security interests given by Debtor to Secured Party hereunder, including cancellation of this Agreement by written notice from Secured Party to the PTO.

SECTION 12. Indemnification. In addition to, and not in limitation of, the general indemnifications set forth in the Loan Documents, Debtor shall indemnify, defend, and hold harmless Secured Party from and against, and shall pay to Secured Party any and all third party claims, actions, suits, judgments, penalties, losses, damages, costs, disbursements, expenses, obligations, or liabilities of any kind or nature (except those resulting from Secured Party's gross negligence or willful misconduct) arising in any way out of or in connection with this Agreement, the Collateral, custody, preservation, use, or operation of the Collateral, any alleged infringement of the intellectual property rights of any third party, the production, marketing, delivery, and sale of the goods and services provided under or in connection with any of the Collateral or the sale of, collection from, or other realization upon any of the Collateral, the failure of Debtor to perform or observe any of the provisions hereof, or matters related to any of the foregoing prior to the effectiveness of the grant, assignment, transfer, and conveyance provided for herein. Debtor shall also indemnify and hold harmless Secured Party from and against any and all claims, actions, suits, judgments, penalties, losses, damages, disbursements, expenses, obligations, or liabilities arising out of or in connection with any improper act or omission of Debtor (regardless of whether such act or omission occurred or occurs prior so or after such effectiveness). Any and all fees, reasonable costs, and reasonable expenses, of whatever kind or nature, including but not limited to reasonable fees and disbursements of counsel and of any experts and agents, incurred by Secured Party in connection with the filing or recording of any documents in public offices, the payment or discharge of any taxes, maintenance fees, or encumbrances, or otherwise protecting, maintaining or preserving the Collateral and the security interest thereon, or in defending or prosecuting any actions or proceedings arising out of or related to the Collateral, or in exercising or enforcing any right or remedy granted to Secured Party hereunder, shall be borne and paid by Debtor.

SECTION 13. No Inconsistent Requirements. Debtor acknowledges that this Agreement and the other documents, agreements and instruments entered into or executed in connection herewith may contain covenants and other terms and provisions variously stated regarding the same or similar matters, and Debtor agrees that all such covenants, terms and provisions are cumulative and all shall be performed and satisfied in accordance with their respective terms.

SECTION 14. Severability. If one or more provisions contained in this Agreement shall be invalid, illegal or unenforceable in any respect in any jurisdiction or with respect to any party, such invalidity, illegality or unenforceability in such jurisdiction or with respect to such party shall, to the fullest extent permitted by applicable law, not invalidate or render illegal or unenforceable any such provision in any other jurisdiction or with respect to any other party, or any other provisions of this Agreement.

SECTION 15. Notices. All notices and other communications hereunder shall be in writing and shall be mailed, sent or delivered in accordance with the Loan Agreement.

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IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement, as of the date first above written.

DEBTOR:

ESPEN TECHNOLOGY INC.

By: 

Name:

Title:

SECURED PARTY:

PIERMONT BANK

By: _____

Name:

Title:

[Signature Page – Patent & Trademark Security Agreement]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement, as of the date first above written.

DEBTOR:

ESPEN TECHNOLOGY INC.

By: _____
Name:
Title:

SECURED PARTY:

PIERMONT BANK

By: Robert J. Tolonen
Name: ROBERT J. TOLONEN
Title: CHIEF CREDIT OFFICER

[Signature Page -- Patent & Trademark Security Agreement]

SCHEDULE A
to the Patent & Trademark Security Agreement

Debtor: **ESPEN TECHNOLOGY, INC.**

Secured Party: **PIERMONT BANK**

US Patents and Patent Applications

Number	Description
8896226.....	Constant-power power supply apparatus and method of supplying constant-power
9000832.....	Switch
9078322.....	Method of driving LED chips of different specifications
9078326.....	Dimmable LED lamp
9101000.....	Dimmable LED illuminating system
9101002.....	Method of controlling multiple lamps
9131579.....	Driving apparatus for LED chips of different specifications
9264036.....	Method of transmitting signals
9282617.....	Illumination system and phase signal transmitter of the same
9420655.....	Method of driving LED chips of same power but different rated voltages and currents
9516717.....	Dimmable LED illuminating system, driver of the illuminating system, and method of driving the illuminating system

SCHEDULE B
to the Patent & Trademark Security Agreement

Debtor: **ESPEN TECHNOLOGY, INC.**

Secured Party: **PIERMONT BANK**

US Trademark and Trademark Applications

Serial Number	Reg. Number	Word Mark	Live/Dead	date title	date
87519331	5887985	CORETECH	LIVE	Registration Date:	Oct. 22, 2019
87836690		VERSADIM	LIVE	Approved for publication	Nov. 01, 2019
87047337	5114372	SENTINEL	LIVE	Registration Date:	Jan. 03, 2017
86297133	4684215	RETROFLEX	LIVE	Registration Date:	Feb. 10, 2015
86026336	4639425	ESPEN TECHNOLOGY	LIVE	Registration Date:	Nov. 18, 2014
86033119	4542414	THE POWER TO CREATE BETTER LIGHT	LIVE	Registration Date:	Jun. 03, 2014
86025397	4536393	VERSAKIT	LIVE	Registration Date:	May 27, 2014
86025327	4494771	PROLUX	LIVE	Registration Date:	Mar. 11, 2014
86024125	4494712	VIVIDARC	LIVE	Registration Date:	Mar. 11, 2014
86021531	4494638	PRECISIONSTART	LIVE	Registration Date:	Mar. 11, 2014
86021443	4494633	DYNAMUS	LIVE	Registration Date:	Mar. 11, 2014