

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3586230

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NANOLUMENS, INC.	07/25/2013
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	PACIFIC WESTERN BANK (AS SUCCESSOR IN INTEREST BY MERGER TO SQUARE 1 BANK)	
<b>Street Address:</b>	406 BLACKWELL STREET	
<b>Internal Address:</b>	SUITE 240	
<b>City:</b>	DURHAM	
<b>State/Country:</b>	NORTH CAROLINA	
<b>Postal Code:</b>	27701	
<b>PROPERTY NUMBERS Total: 2</b>		
	<b>Property Type</b>	<b>Number</b>
	Patent Number:	D694827
	Patent Number:	D694339
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(919)354-1278	
<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>		
<b>Phone:</b>	919-314-3086	
<b>Email:</b>	loandocsdept@square1bank.com	
<b>Correspondent Name:</b>	PACIFIC WESTERN BANK	
<b>Address Line 1:</b>	406 BLACKWELL STREET	
<b>Address Line 2:</b>	SUITE 240	
<b>Address Line 4:</b>	DURHAM, NORTH CAROLINA 27701	
<b>NAME OF SUBMITTER:</b>	NICHOLAS NANCE	
<b>SIGNATURE:</b>	/nicholasnance-tkf/	
<b>DATE SIGNED:</b>	10/26/2015	
<b>Total Attachments: 6</b>		
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## **INTELLECTUAL PROPERTY SECURITY AGREEMENT**

**THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT** is entered into as of July 25, 2013 by and between **SQUARE 1 BANK** (“**Bank**”) and **NANOLUMENS, INC.**, a Georgia corporation (“**Grantor**”).

### **RECITALS**

**A.** Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the “Loans”) in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated on or about the date hereof (as the same may be amended, modified or supplemented from time to time, the “Loan Agreement”; capitalized terms used herein are used as defined in the Loan Agreement).

**B.** Bank is willing to extend and to continue to extend financial accommodations to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

**C.** Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor’s right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

### **AGREEMENT**

To secure its Obligations to Bank, Grantor grants and pledges to Bank a security interest in all of Grantor’s right, title and interest in, to and under its Intellectual Property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this

Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

**SIGNATURE PAGE FOLLOWS**

square 1 bank

IN WITNESS WHEREOF, each party has caused this Intellectual Property Security Agreement to be duly executed by an officer thereunto duly authorized as of the first date written above.

GRANTOR:

Address of Grantor:


NANOLUMENS, INC.

4900 Avalon Ridge Parkway  
Norcross, GA 30071

By:

Name:

Title:

  
RICHARD COPE  
PRESIDENT & CEO

BANK:

Address of Bank:


SQUARE 1 BANK

406 Blackwell Street, Suite 240  
Durham, NC 27701  
Attn: Loan Documentation Department

By:

Name:

Title:

  
Zach Robbitt  
AVR

*[Signature Page to Intellectual Property Security Agreement]*

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EXHIBIT A  
COPYRIGHTS

Description	Registration Number	Registration Date
None		

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**EXHIBIT B**

**PATENTS**

<b>Description</b>	<b>Registration OR Serial Number</b>	<b>Registration OR Filing Date</b>
Systems for Facilitating Virtual presence	13/297784	11/16/2011
Display	D694827	12/03/2013
Display	D694339	11/26/2013

**EXHIBIT C**  
**TRADEMARKS**

<b>Description</b>	<b>Registration or Application Number</b>	<b>Registration or Application Date</b>
NANOSHAPES	4313832	04/02/2013
NANOSLIM	4309772	03/26/2013
NANOSHAPE	85/380708	07/26/2011
NANOFLEX	4278188	01/22/2013
NANOVISION	85/667992	07/03/2012
NANOLUMENS	3992752	07/12/2011
AWARE	86783740	10/09/2015