

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3270747

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
LUNERA LIGHTING, INC.		02/27/2015
RECEIVING PARTY DATA		
Name:	OPUS BANK	
Street Address:	19900 MACARTHUR BOULEVARD	
City:	IRVINE	
State/Country:	CALIFORNIA	
Postal Code:	92612	
PROPERTY NUMBERS Total: 14		
Property Type	Number	
Patent Number:	8608351	
Patent Number:	8740410	
Patent Number:	8602604	
Application Number:	12983787	
Patent Number:	8789970	
Application Number:	14201428	
Application Number:	14147607	
Application Number:	14304964	
Application Number:	14300325	
Application Number:	13886262	
Application Number:	12576008	
Application Number:	12572587	
Patent Number:	8915611	
Application Number:	12321263	
CORRESPONDENCE DATA		
Fax Number:	(312)258-5600	
<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:	312-258-5724	
Email:	cbollinger@schiffhardin.com	

Correspondent Name:	CHRIS L. BOLLINGER
Address Line 1:	P.O. BOX 06079
Address Line 2:	SCHIFF HARDIN LLP
Address Line 4:	CHICAGO, ILLINOIS 60606-0079

ATTORNEY DOCKET NUMBER:	41907-0001
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NAME OF SUBMITTER:	CHRIS L. BOLLINGER
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SIGNATURE:	/Chris L. Bollinger/
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DATE SIGNED:	03/18/2015
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Total Attachments: 5

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**IP SUPPLEMENT
TO INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This IP SUPPLEMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT (this “**IP Security Agreement**”), dated as of February 27, 2015, is delivered pursuant to and supplements (i) the Amended and Restated General Security Agreement, dated as of February 27, 2015 (said Amended and Restated General Security Agreement, as it may heretofore have been and as it may hereafter be further amended, restated, amended and restated, supplemented or otherwise modified from time to time, being the “**Security Agreement**”), among Lunera Lighting, Inc., a Delaware corporation (the “**Grantor**”), and Opus Bank, a California Commercial Bank (“**Lender**”), and (ii) the Intellectual Property Security Agreement dated as of March 20, 2013 (the “**Grant**”) executed by Grantor. Capitalized terms used herein not otherwise defined herein shall have the meanings ascribed thereto in the Grant.

Grantor grants to Lender a security interest in all of Grantor’s right, title and interest in and to the Patents set forth on Schedule A annexed hereto, including all goodwill associated therewith. All such Patents shall be deemed to be part of the Patents and shall be hereafter subject to each of the terms and conditions of the Security Agreement and the Grant.

Grantor grants to Lender a security interest in all of Grantor’s right, title and interest in and to the Trademarks set forth on Schedule B annexed hereto, including all goodwill associated therewith. All such Trademarks shall be deemed to be part of the Trademarks and shall be hereafter subject to each of the terms and conditions of the Security Agreement and the Grant.

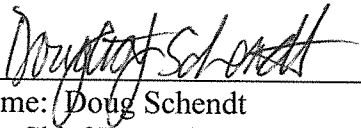
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IN WITNESS WHEREOF, the Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

Address for Notices:

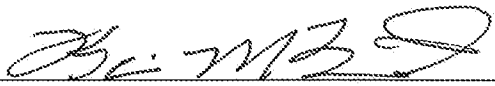
1615 Wyatt Drive
Santa Clara, CA 5054
Attn: Mr. Mukund Marathe, Chief Financial
Officer

LUNERA LIGHTING, INC., a Delaware
corporation, as a Debtor

By: 
Name: Doug Schendt
Its: Chief Executive Officer

IN WITNESS WHEREOF, the Lender has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

OPUS BANK, as Lender

By: 
Name: Kevin P. McBride
Its: Managing Director

Address for Notices:

19900 MacArthur Boulevard
12th Floor
Irvine, California 92612
Attn: Credit Administration

**SCHEDULE A
TO
IP SUPPLEMENT**

Title	Serial/ Patent Number	Application/ Issue Date
Removable Optical Component for Luminaire	8608 351	3/18/2011
Troffer-Style Light Fixture with Cross-Lighting	8740410	6/3/14
Extruded Wide Angle Lens for Use with a LED Light Source	8602604	12/10/13
Off-Axis Illumination LED Luminaire	12983787	1/3/2011
Color Compensation in LED Luminaires	8789970	7/29/14
Edgelit T8 patent	14/201428	2/7/14
Lamp controller Accessory patent	14/147607	1/6/14
Enhanced compatibility circuits Helen and Susan Lamp	14/304,964	6/15/14
Enhanced compatibility circuits Helen Lamp	14/300,325	6/10/14
Enhanced compatibility circuits Helen Lamp	13/886,262	12/15/14
	Filed	11/21/14
Helen Lamp Design Patent	Filed	11/21/14
Susan Lamp Design Patent		
Semi-Direct Solid State Lighting Fixture and Distribution	12576008	10/08/09
Optimized Spatial Power Distribution for Solid State Light Fixtures	12572587	10/02/09
Light Well Providing Wide Angle Up Lighting in an LED Luminaire	8915611	12/23/14
Luminous Retrofitting Door	12321263	9/13/11

**SCHEDULE B
TO
IP SUPPLEMENT**

<u>Description</u>	<u>Serial / Registration Number</u>	<u>Application /Registration Date</u>
LUNERA	3745418	2/2/2010
The Brilliance of Natural Light	4271698	1/8/2013
Helen Lamp Trademark – US	86489868	12/23/2014
Susan Lamp Trademark – US	86489875	12/23/2014
Helen Lamp Trademark – China	Filed	11/21/2014
Susan Lamp Trademark – China	Filed	11/21/2014
BallastLED	86155126	12/31/2013