PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN J. WIERER	03/12/2004
MICHAEL R. KRAMES	03/12/2004
JOHN E. EPLER	03/12/2004

RECEIVING PARTY DATA

Name:	LUMILEDS LIGHTING, U.S. LLC
Street Address:	370 W. TRIMBLE RD.
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95131

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11373636

CORRESPONDENCE DATA

Fax Number: (650)472-0644

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: 6504720644

Email: paralegal.maxval@maxval.com

CONVERGENCE INTELLECTUAL PROPERTY LAW P.C **Correspondent Name:**

Address Line 1: 2251 GRANT RD. SUITE G

Address Line 4: LOS ALTOS, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	LUMI-0150US
NAME OF SUBMITTER:	RANJINE
SIGNATURE:	/Ranjine/
DATE SIGNED:	03/22/2018

Total Attachments: 3

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> **PATENT** REEL: 045308 FRAME: 0277

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Authorized to be charged to deposit account

8. Deposit account number:

Suite 223

City: San Jose State: CA Zip: 95134

DO NOT USE THIS SPACE

9. Signature.

03/25/200 GT 01 FC:802

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40.00 DA

Rachel V. Leiterman, Reg. 46,868

Name of Person Signing/

Total number of pages including cover sheet, attachments, and documents: 4.

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

Attorney Docket No.: LUM-03-05-01

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Jonathan J. Wierer Jr., Michael R. Krames, and John E. Epler

hereby sell, assign and transfer to Lumileds Lighting U.S., LLC, a Delaware corporation, having a place of business at 370 W. Trimble Road, San Jose, CA 95131, its successors and assigns, the entire right, title and interest throughout the world in our invention in

PHOTONIC CRYSTAL LIGHT EMITTING DEVICE

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 12 day of Marc	, 2004.
	Jonathan J. Wierer Jr.
State of California)	Jonathan J. Wierer Jr.
County of Santa (Jara) ss.	
On MarcH 12, 2004 before me,	EDMH M. Funtes - Notary public
personally appeared TONATHAN 5. 12	rever ly. — personally

known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

EDITH M. FUENTES
Commission # 1344396
Notary Public - California
Sania Clara County
My Coom. Expires 1965

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Attorney Docket No.: LUM-03-05-01

Executed this 12 day of Wind, 2004.	
State of <u>California</u>) County of <u>Santa (lara</u>) ss.	-
On March 12, 2004 before me, EDIH M. Fusites - Wolary personally appeared MICHARI R. FRANES — personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.	ublic
WITNESS my hand and official seal. Commission # 1344396 Notary Public - California Santa Clara County My Comm. Sepires Feb 24, 2006	-
Executed this 17 day of March , 2004. John E. Foler	
State of <u>Qulifornia</u>) State of <u>Qulifornia</u>) Ss. County of <u>Sunta (ara)</u>	
on March 12, 2004 before me, EDITH M. Furites - Wolary personally appeared	roblic
WITNESS my hand and official seal.	
Elle phit	_
EDITH M. FUENTES Commission # 1344396 Notary Public - California Santa Clara County My Corren. Expires Feb 24, 2006	

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