Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Alexei A. Erchak	07/18/2006
Elefterios Lidorikis	07/10/2006
Chiyan Luo	07/30/2006

RECEIVING PARTY DATA

Name:	Luminus Devices, Inc.
Street Address:	1100 Technology Park Drive
City:	Billerica
State/Country:	MASSACHUSETTS
Postal Code:	01821

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11879035

CORRESPONDENCE DATA

Fax Number: (617)646-8646

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6176468000

Email: Nbanos@wolfgreenfield.com

Correspondent Name: Robert H. Walat
Address Line 1: 600 Atlantic Avenue

Address Line 2: WOLF, GREENFIELD & SACKS, P.C.
Address Line 4: Boston, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER: L0655.70026US05

NAME OF SUBMITTER: Robert H. Walat

Total Attachments: 8

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PATENT
REEL: 020214 FRAME: 0354

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PATENT REEL: 020214 FRAME: 0355

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned hereby:

- 1. Sell, assign and transfer to Luminus Devices, Inc., a Delaware corporation having a place of business at Luminus Devices, Inc., 175 New Boston Street, Suite A, Woburn, MA 01801, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on April 21, 2006 under Serial No. 11/409,510, bearing Attorney Docket No. L0655.70026US03, and entitled LIGHT EMITTING DEVICES, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
- 2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
- 3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
- 5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal.

Inventor:

Alexei A. Erchak

Address:

10 Museum Way, Unit #1422

Cambridge, MA 02141

Citizenship: US

STATE/COMMONWEALTH OF Mayachusetts

COUNTY OF Middlesex:

On this 12 day of July, 2016, before me, the undersigned notary public, personally appeared Cluxes Exchair proved to me through satisfactory evidence of identification, which were MMDULLE Licenst to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Notary Public

My commission expires May 19, 2011

IRENE M. DONOVAN
Notary Public
SMMonwealth of Massachusette
My Commission Expires
May 19, 2011

Date	Inventor:	Elefterios Lidorikis	
	Address:	6 Tsakalof Street 45333 Ioannina Greece	
	Citizenship:	Canada	
Date		Witness	

07/30/06		a comment
Date	Inventor:	Chiyan Luo
	Address:	55-15 39 th Avenue Woodside, NY 11377
	Citizenship:	People's Republic of China
STATE/COMMONWEALTH OF A COUNTY OF Quells Sworn to and subscribed before me on the strength of perjury under the laws of the United Strength SEAL SEAL STATE/COMMONWEALTH OF A Quells SWORD A A STATE/COMMONWEALTH OF A A SWORD	: nis <i>30</i> day of	July, 2006 under the pains and penalties
Notary Public My commission expires 2/24/2	· · · · · · · · · · · · · · · · · · ·	Alex Y. Zhang Notary Public, State of New York No. 01ZH4992391 Qualified in Queens County Commission Expires February 24, 20/0

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- 2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
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- 5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal.

Date	Inventor:	Alexei A. Erchak
	Address:	10 Museum Way, Unit #1422 Cambridge, MA 02141
	Citizenship:	US
STATE/COMMONWEALTH OF		:
COUNTY OF	_:	
, proved to me	through satisfac	dersigned notary public, personally appeared story evidence of identification, which were
, to be the	person who sign	led the preceding or attached document in my
		of the document are truthful and accurate to the jed to me that (he) (she) signed it voluntarily for its
• •		
SEAL Notary Public		
My commission avaires		

07/10/06 Date

Inventor:

Address:

6 Tsakalof Street 45333 Ioannina

Greece

Citizenship:

Canada

07/10/06 TRENE KARANTZENI Date

Date	Inventor:	Chiyan Luo
Dale		55-15 39 th Avenue Woodside, NY 11377
	Citizenship:	People's Republic of China
STATE/COMMONWEALTH OF _		:
COUNTY OF	:	
Sworn to and subscribed before me or of perjury under the laws of the United	n this day of States of America	, 20, under the pains and penalties a.
SEALNotary Public	and the state of t	
My commission expires		

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RECORDED: 12/07/2007

PATENT REEL: 020214 FRAME: 0363