

Client Code: NDTCO.077C1

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1. Jesse FROELICH 2. Hyun Sik CHAE 3. Amane MOCHIZUKI 4. Sheng LI</p> <p>Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> Nitto Denko Corporation <b>Street Address:</b> 1-1-2 Shimohozumi <b>City:</b> Ibaraki <b>State:</b> Osaka <b>ZIP:</b> 567-8680 <b>Country:</b> Japan</p> <p>Additional name(s) of receiving party(ies) attached? ( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement ( ) Merger ( ) Change of Name ( ) Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>1. July 13, 2012 2. June 8, 2012 3. June 8, 2012 4. June 8, 2012</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 13/467943 Filing Date: May 9, 2012</p> <p>Additional numbers attached? (X) Yes ( ) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> NDTOC.077C1</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40.00</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.</p>	
<p><u>Agnes Juang, Ph.D.</u> Name of Person Signing</p>	<p><u>/Agnes Juang/</u> Signature</p> <p><u>July 17, 2012</u> Date</p>
<p>55,310 Registration No.</p>	
<p>Total number of pages including cover sheet, attachments and document: 6</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

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**PATENT**  
**REEL: 028618 FRAME: 0892**

**CH \$40.00 111410 13467943**

Application No.: 13/467,943  
Filing Date: May 9, 2012

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### ASSIGNMENT

WHEREAS, Jesse FROELICH, a United States citizen, residing at Vista, CA, Hyun Sik CHAE, a Korea citizen, residing at San Diego, CA, Amame MOCHIZUKI, a Japan citizen, residing at Carlsbad, CA, Sheng LI, a United States citizen, residing at Vista, CA, (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to LIGHT EMITTING DEVICES AND COMPOSITIONS (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, NITTO DENKO CORPORATION, a Japanese Corporation, with its principal place of business at 1-1-2 SHIMOHOSUMI, IBARAKI, OSAKA, JAPAN 567-8680 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). 60988391 and 61109872, filed November 15, 2007 and October 30, 2008 (respectively if plural applications)), and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any Improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Application No.: 13/467,943  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of July, 2012.

  
Jesse FROEHLICH

STATE OF CALIFORNIA

ss.

COUNTY OF San Diego

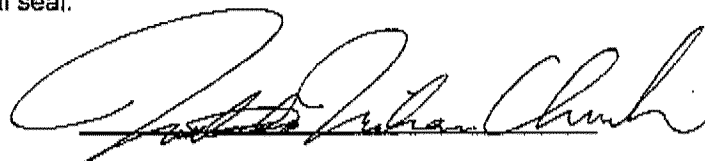
On 7/13/12, before me, Mutsuko Mikami Church, notary public, personally appeared Jesse FROEHLICH who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

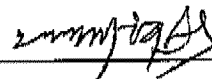


  
Notary Signature

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14th day of June, 2012



Hyun Sik CHAE

STATE OF CALIFORNIA

ss.

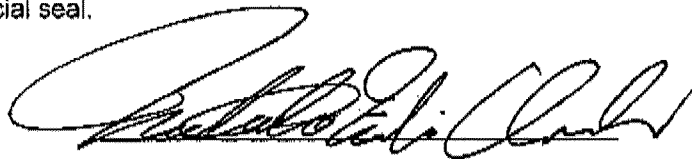
COUNTY OF San Diego

On 6/8/12, before me, Mutsuko Mitani Church, notary public, personally appeared Hyun Sik CHAE who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

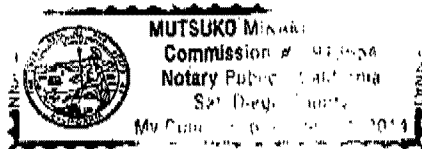
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]



Notary Signature



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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of June, 2012.



Amane MOCHIZUKI

STATE OF CALIFORNIA

ss.

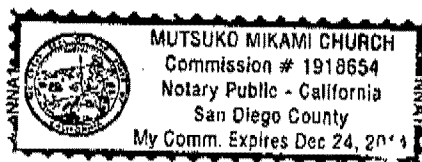
COUNTY OF San Diego

On 6/8/12, before me, Mutsuko Mikami Church, notary public, personally appeared Amane MOCHIZUKI who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]




Notary Signature

Application No.: 13/467,943  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of June, 2012.

  
\_\_\_\_\_  
Sheng LI

STATE OF CALIFORNIA

ss.

COUNTY OF San Diego

On 6/8/12, before me, Mutsuko Mikami Church, notary public, personally appeared Sheng LI who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]



  
\_\_\_\_\_  
Notary Signature

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