

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3284605

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIROAKI MIYAGAWA	10/30/2012
BIN ZHANG	10/30/2012
JAMES CHIENCHUNG SHIH	10/30/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NITTO DENKO CORPORATION
<b>Street Address:</b>	1-1-2 SHIMOHUZUMI, IBARAKI
<b>City:</b>	OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	567-8680
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14496793
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	NDTCO.223C1
<b>NAME OF SUBMITTER:</b>	AGNES JUANG
<b>SIGNATURE:</b>	/Agnes Juang/
<b>DATE SIGNED:</b>	03/26/2015
<b>Total Attachments: 4</b>	
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source=assignment_ndtco223c1#page4.tif	

## ASSIGNMENT

WHEREAS, Hiroaki Miyagawa, a citizen of Japan, residing at Oceanside, California, Bin Zhang, a citizen of China, residing at San Diego, California, and James Chienchung Shih, a U.S. citizen, residing at Artesia, California, (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to PHOSPHOR COMPOSITIONS AND METHODS OF MAKING THE SAME (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");

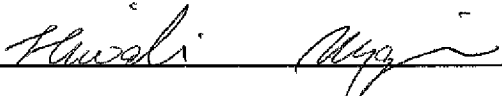
AND WHEREAS, Nitto Denko Corporation, a Japanese Corporation, with its principal place of business at 1-1-2 Shimohozumi, Ibaraki, Osaka 567-8680 Japan (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

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). 61/524,278, filed August 16, 2011 (respectively if plural applications)), and all nonprovisional applications claiming priority thereto (including but not limited to International Application No. PCT/2012/050789, filed August 14, 2012), 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.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30 day of  
October, 20 12.

  
Hiroaki Miyagawa

STATE OF CALIFORNIA )

ss.

COUNTY OF San Diego )

On 10/30/12, before me, Mutsuko Mikami Church, notary public, personally appeared Hiroaki Miyagawa 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.

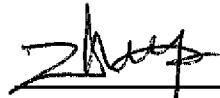
[SEAL]

  
Mutuko Mikami Church



Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30<sup>th</sup> day of Oct., 2012.

  
\_\_\_\_\_  
Bin Zhang

STATE OF CALIFORNIA        )

  )       ss.

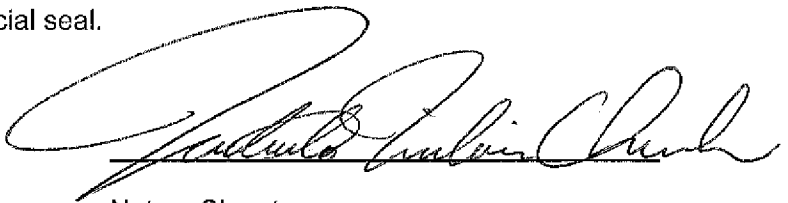
COUNTY OF San Diego        )

On 10/30/12, before me, Mutsuko Mikami Church, notary public, personally appeared Bin Zhang 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



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30 day of October, 2012.

James Shih

James Chienchung Shih

STATE OF CALIFORNIA }  
 }  
COUNTY OF San Diego }

ss.

On 10/30/12, before me, Mutsuko Mikami Church, notary public, personally appeared James Chienchung Shih 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]

Mutsuko Mikami Church

Notary Signature

