

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hongxi Zhang</td> <td>09/27/2012</td> </tr> <tr> <td>Stanislaw Rachwal</td> <td>09/27/2012</td> </tr> <tr> <td>Kaoru Ueno</td> <td>09/27/2012</td> </tr> <tr> <td>Jie Cai</td> <td>09/27/2012</td> </tr> <tr> <td>Yufen Hu</td> <td>09/27/2012</td> </tr> <tr> <td>Michiharu Yamamoto</td> <td>09/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hongxi Zhang	09/27/2012	Stanislaw Rachwal	09/27/2012	Kaoru Ueno	09/27/2012	Jie Cai	09/27/2012	Yufen Hu	09/27/2012	Michiharu Yamamoto	09/27/2012
Name	Execution Date														
Hongxi Zhang	09/27/2012														
Stanislaw Rachwal	09/27/2012														
Kaoru Ueno	09/27/2012														
Jie Cai	09/27/2012														
Yufen Hu	09/27/2012														
Michiharu Yamamoto	09/27/2012														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Nitto Denko Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1-1-2 Shimohozumi, Ibaraki</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>567-8680</td> </tr> </table>		Name:	Nitto Denko Corporation	Street Address:	1-1-2 Shimohozumi, Ibaraki	City:	Osaka	State/Country:	JAPAN	Postal Code:	567-8680				
Name:	Nitto Denko Corporation														
Street Address:	1-1-2 Shimohozumi, Ibaraki														
City:	Osaka														
State/Country:	JAPAN														
Postal Code:	567-8680														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13631710</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13631710										
Property Type	Number														
Application Number:	13631710														
CORRESPONDENCE DATA															
<p>Fax Number: 9497609502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 9497600404 Email: efiling@knobbe.com Correspondent Name: Knobbe Martens Olson & Bear LLP Address Line 1: 2040 Main Street Address Line 2: 14th Floor Address Line 4: Irvine, CALIFORNIA 92614</p>															
ATTORNEY DOCKET NUMBER:	NDTCO.226A														

OP \$40.00 13631710

NAME OF SUBMITTER:

Agnes Juang

Total Attachments: 6

source=2012-09-28 Executed Declaration & Assignment - NDTCO.226A#page1.tif

source=2012-09-28 Executed Declaration & Assignment - NDTCO.226A#page2.tif

source=2012-09-28 Executed Declaration & Assignment - NDTCO.226A#page3.tif

source=2012-09-28 Executed Declaration & Assignment - NDTCO.226A#page4.tif

source=2012-09-28 Executed Declaration & Assignment - NDTCO.226A#page5.tif

source=2012-09-28 Executed Declaration & Assignment - NDTCO.226A#page6.tif

PATENT

REEL: 029422 FRAME: 0012

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: NDTCO.226A

Page 1 of 6

Title: WAVELENGTH CONVERSION MATERIAL AS ENCAPSULATE FOR SOLAR MODULE SYSTEMS TO ENHANCE SOLAR HARVESTING EFFICIENCY

Inventors: Hongxi Zhang, Stanislaw Rachwal, Kaoru Ueno, Jie Cai, Yufen Hu, and Michiharu Yamamoto

Declaration

This Declaration is directed to the invention identified above that:

Is attached, where "attached" means filed concurrently with.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, **above-identified inventors** (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, **Nitto Denko 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 of which receipt 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 patent properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). **61/567,548 and 61/662,848**, filed **December 6, 2011 and June 21, 2012** (respectively if plural applications));

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, 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.

PATENT

REEL: 029422 FRAME: 0013

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*

Docket No.: NDTCO.226A

Page 2 of 6

Title: WAVELENGTH CONVERSION MATERIAL AS ENCAPSULATE FOR SOLAR MODULE SYSTEMS TO ENHANCE SOLAR HARVESTING EFFICIENCY

Inventors: Hongxi Zhang, Stanislaw Rachwal, Kaoru Ueno, Jie Cai, Yufen Hu, and Michiharu Yamamoto

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and 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 Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute 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.

Legal Name of inventor: Hongxi Zhang

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27th day of Sept., 2012.Signature: *Hongxi Zhang*Date: 09-27-2012*Signature before a Notary is desirable but not required.*

STATE OF CALIFORNIA

COUNTY OF San Diego ss.

On 9/27/12, before me, Mutsuko M Church, notary public, personally appeared Hongxi 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.



PATENT

REEL: 029422 FRAME: 0014

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: NDTCO.226A

Page 3 of 6

Title: WAVELENGTH CONVERSION MATERIAL AS ENCAPSULATE FOR SOLAR MODULE
SYSTEMS TO ENHANCE SOLAR HARVESTING EFFICIENCY

Inventors: Hongxi Zhang, Stanislaw Rachwal, Kaoru Ueno, Jie Cai, Yufen Hu, and Michiharu Yamamoto

Notary Signature

[SEAL]

Legal Name of Inventor: Stanislaw Rachwal

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of September,
20 12

Signature:

[Signature of Stanislaw Rachwal]

Date:

9.27.12

Signature before a Notary is desirable but not required.

STATE OF CALIFORNIA

COUNTY OF San Diego

On 9/27/12, before me, Mutsuko Mikami Church Notary public, personally
appeared Stanislaw Rachwal 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.

Notary Signature

[SEAL]



COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: NDTCO.226A

Page 4 of 6

Title: WAVELENGTH CONVERSION MATERIAL AS ENCAPSULATE FOR SOLAR MODULE SYSTEMS TO ENHANCE SOLAR HARVESTING EFFICIENCY

Inventors: Hongxi Zhang, Stanislaw Rachwal, Kaoru Ueno, Jie Cai, Yufen Hu, and Michiharu Yamamoto

Legal Name of inventor: Kaoru Ueno

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of September, 2012.

Signature: [Signature] Date: 9/27/2012

Signature before a Notary is desirable but not required.

STATE OF CALIFORNIA

COUNTY OF San Diego } ss.

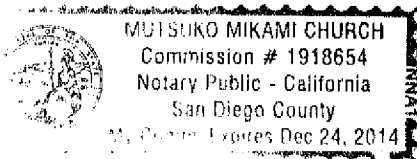
On 9/27/12, before me, Mutsuko M. Church, notary public, personally appeared Kaoru Ueno who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized 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.

[Signature]
Notary Signature

[SEAL]



Legal Name of inventor: Jie Cai

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of Sep, 2012.

Signature: [Signature] Date: 9-27-12

Signature before a Notary is desirable but not required.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*

Docket No.: NDTCO.226A

Page 5 of 6

Title: WAVELENGTH CONVERSION MATERIAL AS ENCAPSULATE FOR SOLAR MODULE SYSTEMS TO ENHANCE SOLAR HARVESTING EFFICIENCY

Inventors: Hongxi Zhang, Stanislaw Rachwal, Kaoru Ueno, Jie Cai, Yufen Hu, and Michiharu Yamamoto

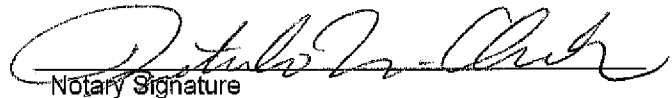
STATE OF CALIFORNIACOUNTY OF San Diego ss.

On 9/27/12, before me, Mutsuko M. Church notary public, personally appeared Jie Cai 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

Legal Name of inventor: Yufen Hu

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27th day of Sep., 2012.

Signature: Date: 9-27-12*Signature before a Notary is desirable but not required.***STATE OF CALIFORNIA**COUNTY OF San Diego ss.

On 9/27/12, before me, Mutsuko M. Church notary public, personally appeared Yufen Hu 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.

**PATENT****REEL: 029422 FRAME: 0017**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: NDTCO.226A

Page 6 of 6

Title: WAVELENGTH CONVERSION MATERIAL AS ENCAPSULATE FOR SOLAR MODULE
SYSTEMS TO ENHANCE SOLAR HARVESTING EFFICIENCY

Inventors: Hongxi Zhang, Stanislaw Rachwal, Kaoru Ueno, Jie Cai, Yufen Hu, and Michiharu Yamamoto

[SEAL]

Notary Signature



Legal Name of Inventor: Michiharu Yamamoto

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27th day of September,
2012.

Signature: M. Yamamoto Date: Sep 27, 2012
Signature before a Notary is desirable but not required.

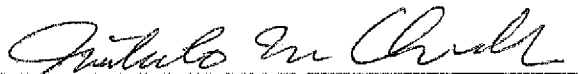
STATE OF CALIFORNIA

COUNTY OF San Diego ss.

On 9/27/12, before me, Mutsuko M. Church notary public, personally
appeared Michiharu Yamamoto 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.


Notary Signature

[SEAL]



14055464
092712