

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
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<table border="1"> <tr> <td>Name:</td> <td>Nitto Denko Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1-1-2 Shimohozumi, 1-chome, Ibaraki-shi</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>567-0041</td> </tr> </table>		Name:	Nitto Denko Corporation	Street Address:	1-1-2 Shimohozumi, 1-chome, Ibaraki-shi	City:	Osaka	State/Country:	JAPAN	Postal Code:	567-0041												
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CORRESPONDENCE DATA																							
Fax Number:	9492530902																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							

CH \$160.00 61426259

Phone: 949-253-0900
Email: maria.nadal@klgates.com
Correspondent Name: Louis C. Cullman
Address Line 1: K&L Gates LLP
Address Line 2: 1 Park Plaza, 12th Floor
Address Line 4: Irvine, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	1958616.00039 (F3620)
NAME OF SUBMITTER:	Louis C. Cullman
Signature:	/Louis C. Cullman/
Date:	09/18/2013

Total Attachments: 11

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ASSIGNMENT

THIS ASSIGNMENT is made by **Shijun Zheng, Liping Ma, Amane Mochizuki, Qianxi Lai, Sazzadur Rahman Khan, Sheng Li, Brett T. Harding, Hyunsik Chae, Rebecca Romero, and David T. Sisk** (hereafter, together with any successors, legal representatives, or assigns thereof, "**ASSIGNORS**") to **Nitto Denko Corporation** having its principal place of business at 1-1-2 Shimohozumi, 1-chome, Ibaraki-shi, Osaka 567-0041 Japan, (hereafter, together with any successors, legal representatives, or assigns thereof, "**ASSIGNEE**").

WHEREAS, **ASSIGNORS** have invented and own rights in, to and under a new and useful invention for which an application(s) for Letters Patent has been filed as indicated below (hereafter "**Invention**");

U.S. Patent Application	filed December 22, 2010	bearing Serial No. US 61/426,259
International Application	filed December 21, 2011	bearing Serial No. PCT/US2011/066536
U.S. Patent Application	filed February 23, 2011	bearing Serial No. US 13/033,473
U.S. Patent Application	filed February 7, 2013	bearing Serial No. 13/761,972

WHEREAS, **ASSIGNORS** believe themselves to be the original and true inventors of the **Invention**;

WHEREAS, **ASSIGNEE** desires to acquire the **Invention** and improvements thereto;

AND WHEREAS, **ASSIGNORS** and **ASSIGNEE** desire to have a recordable instrument assigning **ASSIGNEE** as owners of the entire right, title and interest in, to, and under the **Invention** and improvements thereto owned by **ASSIGNORS**;

NOW THEREFORE, for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **ASSIGNORS** do hereby sell, assign, transfer, convey, endorse, and hereby set over unto **ASSIGNEE** the full and exclusive right, title and interest in, to and under the **Invention** to be held and enjoyed by **ASSIGNEE**, as fully and entirely as the same would have been held and enjoyed by **ASSIGNORS** had this assignment and sale not been made including the full and exclusive right, title and interest in, to and under 1) any patent application, or any other legal instrument equivalent thereof, including, without limitation, continuation, division, continuation-in-part, substitute, reexamination, renewal, inventor's certificate, and utility model, which has been or may be submitted therefor and thereon anywhere in the World, such term defined herein as including the United States of America, its territorial possessions, and any and all foreign countries under national laws or under the provisions of the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or any other international treaty equivalent thereof; 2) any Letters Patent, or any other legal instrument equivalent thereof, which has been or may be granted therefor and thereon, in the World, for the full term or terms for which the same may be granted; 3) any reissue, extension, or any other legal instrument equivalent thereof, on any patent application or Letters Patent which has been or may be granted therefor and thereon in the World; and 4) any right to claim priority to a filing date, or any other legal equivalent thereof, which has been or may be claimed by any patent application or Letters Patent therefor and thereon in the World.

ASSIGNORS hereby covenant and agree to perform any lawful action when deemed essential by and to **ASSIGNEE**'s full enjoyment, protection, enforcement and title in, to and under the **Invention** and rights hereby transferred, including, but not limited to, promptly communicating and providing any and all known and accessible facts, data or any other pertinent information; promptly executing and delivering any and all papers, documents, forms, declarations, oaths,

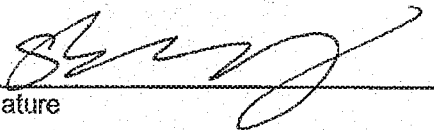
Docket No. 1958616.00039
F3620

affidavits or any other legal instrument; promptly assisting and participating in any and all depositions, hearings, proceedings, trials, appeals, or any other legal procedure; promptly testifying under oath in any and all interference, post grant review, litigation or any other administrative or judicial proceeding; and promptly completing any and all actions necessary or desirable to carry out any and all purposes thereof, relating to any and all proceedings in connection with the submission, procurement, issuance, maintenance, enforcement or defense of the invention and rights hereby transferred.

IN TESTIMONY WHEREOF, I hereunder set my hand this 6th day of August, 2013.

ASSIGNOR

Shijun Zheng



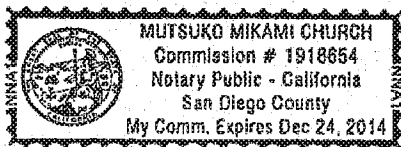
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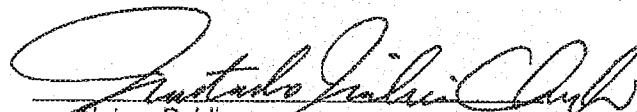
State of CA)
County of San Diego) ss.:

On this 6 day of August, 2013, before me, Mutsuko Mikami Church personally appeared Shijun Zheng who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Public

IN TESTIMONY WHEREOF, I hereunder set my hand this 13 day of August, 2013.

ASSIGNOR

Liping Ma



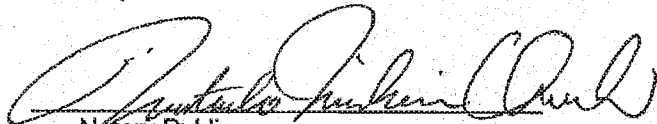
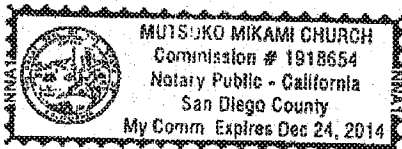
Signature

State of CA)
County of San Diego) ss.:

On this 13 day of August, 2013, before me, Mutsuko Mikami Church, personally appeared Liping Ma, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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.

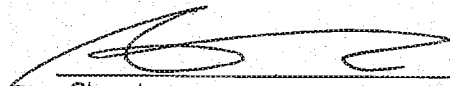

Notary Public

Docket No. 1958616.00039
F3620

IN TESTIMONY WHEREOF, I hereunder set my hand this 18 day of Sept, 2013.

ASSIGNOR

Amane Mochizuki



Signature

State of _____)
) ss.:
County of _____)

On this _____ day of _____, 2013, before me, _____, personally appeared **Amane Mochizuki**, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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.

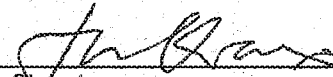
Notary Public

Docket No. 1958616.00039
F3620

IN TESTIMONY WHEREOF, I hereunder set my hand this 13th day of August, 2013.

ASSIGNOR

Qianxi Lai




Signature

State of California)
County of San Diego) ss.:

On this 13 day of August, 2013, before me, Mutsuko Mikami Church, personally appeared Qianxi Lai, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Public



Docket No. 1958616.00039
F3620

IN TESTIMONY WHEREOF, I hereunder set my hand this 15 day of August, 2013.

ASSIGNOR

Sazzadur Rahman Khan




Signature

State of CA }
County of San Diego } ss.:

On this 15 day of August, 2013, before me, Mutsuko Mikami Church, personally appeared Sazzadur Rahman Khan, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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.

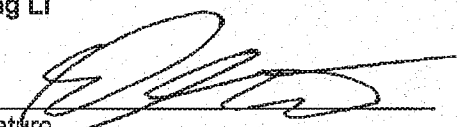

Notary Public

Docket No. 1958616.00039
F3620

IN TESTIMONY WHEREOF, I hereunder set my hand this 6 day of August, 2013.

ASSIGNOR

Sheng Li


Signature 

State of CA)
County of San Diego) ss.:

On this 6 day of August, 2013, before me, Mutsuko Mikami Church, personally appeared Sheng Li, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Public



Docket No. 1958616.00039
F3620

IN TESTIMONY WHEREOF, I hereunder set my hand this 6 day of August, 2013.

ASSIGNOR

Brett T. Harding

Brett T. Harding
Signature

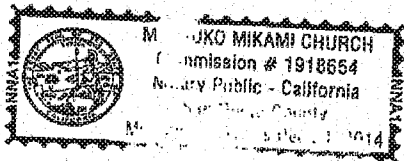
State of CA }
County of San Diego } ss.:

On this 6 day of August, 2013, before me, Mitsuko Mikami Church, personally appeared Brett T. Harding, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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.

Mitsuko Mikami Church
Notary Public

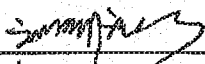


Docket No. 1958616.00039
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IN TESTIMONY WHEREOF, I hereunder set my hand this 13 day of August, 2013.

ASSIGNOR

Hyunsik Chae



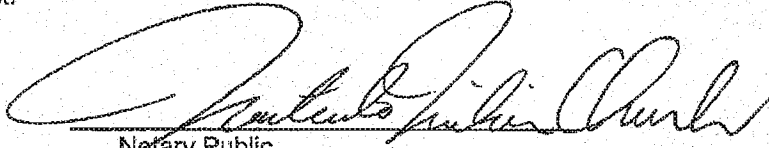
Signature

State of California
County of San Diego ss.:

On this 13 day of August, 2013, before me, Mutsuko Mikami Church, personally appeared Hyunsik Chae, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Public



Docket No. 1958616.00039
F3620

IN TESTIMONY WHEREOF, I hereunder set my hand this 6 day of August, 2013.

ASSIGNOR

Rebecca Romero

Rebecca Romero
Signature

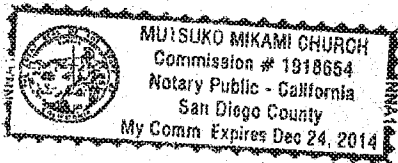
State of CA }
County of San Diego } ss.:

On this 6 day of August, 2013, before me, Mutsuko Mikami Church, personally appeared Rebecca Romero, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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.

Mutsuko Mikami Church
Notary Public



Docket No. 1958616.00039
F3620

IN TESTIMONY WHEREOF, I hereunder set my hand this 13th day of August, 2013.

ASSIGNOR

David T. Sisk



Signature

State of CA)
County of San Diego) ss.:

On this 13 day of August, 2013, before me, Mutsuko Mikami Church, personally appeared David T. Sisk, who 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 executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Public

