

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4123297

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAO GU	10/13/2016
BOGUMILA (MILA) RACHWAL	10/13/2016
OZAIR SIDDIQUI	10/13/2016
STANISLAW RACHWAL	10/13/2016
ISAMU KITAHARA	10/11/2016
SERGEY SIMAVORYAN	10/11/2016
PENG WANG	10/13/2016
MICHIHARU YAMAMOTO	10/12/2016
RECEIVING PARTY DATA	
Name:	NITTO DENKO CORPORATION
Street Address:	1-1-2 SHIMOHOZUMI, 1-CHOME, IBARAKI-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	567-0041
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15306428
CORRESPONDENCE DATA	
Fax Number:	(949)253-0902
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	949-253-0900
Email:	maria.nadal@klgates.com
Correspondent Name:	BRENT A. JOHNSON, PH.D.
Address Line 1:	K&L GATES LLP
Address Line 2:	1 PARK PLAZA -12TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	1958616.00078
NAME OF SUBMITTER:	BRENT A. JOHNSON
SIGNATURE:	/Brent A. Johnson/

PATENT

DATE SIGNED:	11/01/2016
---------------------	------------

Total Attachments: 10

- source=1958616.00078 - EXECUTED ASSIGNMENT#page1.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page2.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page3.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page4.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page5.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page6.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page7.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page8.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page9.tif
- source=1958616.00078 - EXECUTED ASSIGNMENT#page10.tif

ASSIGNMENT

THIS ASSIGNMENT is made by **Tao Gu, Bogumila (Mila) Rachwal, Ozair Siddiqui, Stanislaw Rachwal, Isamu Kitahara, Sergey Simavoryan, Peng Wang, and Michiharu Yamamoto** (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, Bogumila (Mila) Rachwal is now deceased;

WHEREAS Stanislaw Rachwal is the legal representative of the Estate of **Bogumila (Mila) Rachwal**;

WHEREAS, ASSIGNORS have invented and owns rights in, to and under a new and useful invention for which an application(s) for or Letters Patent will be filed under the title "**Chromophores for Photochromic Compositions Useful for Three Dimensional Display Applications**", as indicated below (hereafter "Invention");

International Application	Filed 21 April 2015	bearing Serial No. PCT/US2015/026897
U.S. Patent Application	filed 23 April 2014	bearing Serial No. US 61/983,297

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, 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.

The undersigned hereby grant to the firm of K&L Gates LLP, 1 Park Plaza, 12th Floor, Irvine, CA 92614, the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

///

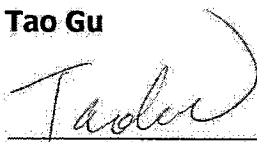
LEFT BLANK

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached and not the truthfulness accuracy or validity of that document.

IN TESTIMONY WHEREOF, I hereunder set my hand this 13th day of October, 2016.

ASSIGNOR

Tao Gu



Signature

State of CALIFORNIA

)
ss.:

County of San Diego

On this 13th day of October, 2016, before me, _____, personally appeared **Tao Gu**, 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 she executed the same in his ^{her} authorized capacity and that by his ^{her} 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

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, I hereunder set my hand this 13 day of October, 2016.

Stanislaw Rachwal

Name: Stanislaw Rachwal
Legal Representative of Bogumila (Mila) Rachwal

State of CALIFORNIA)
County of San Diego

ss.:

On this 13th day of October, 2016, before me, Mutsuko Mikami Church, personally appeared **Stanislaw Rachwal**, 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.

[Signature]
Notary Public



A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, I hereunder set my hand this 13 day of Oct, 2016.

ASSIGNOR

Ozair Siddiqui

Ozair Siddiqui
Signature

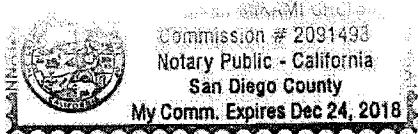
State of CALIFORNIA)
County of San Diego) ss.:

On this 13th day of October, 2016, before me, Makiko Mikami Church personally appeared **Ozair Siddiqui**, 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.

[Signature]
Notary Public



A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, I hereunder set my hand this 13 day of October, 2016.

ASSIGNOR

Stanislaw Rachwal

Stanislaw Rachwal
Signature

State of CALIFORNIA)

County of San Diego)

ss.:

On this 13th day of October, 2016, before me, Mutsuko Mikami Church, personally appeared **Stanislaw Rachwal**, 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



A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, I hereunder set my hand this 11 day of Oct., 2016.

ASSIGNOR

Isamu Kitahara

[Handwritten Signature]

Signature

State of CALIFORNIA)

County of San Diego)

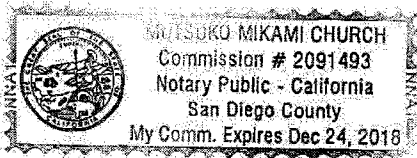
ss.:

On this 11th day of October, 2016, before me, Mitsuko Mikami Church, personally appeared **Isamu Kitahara**, 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.

[Handwritten Signature]
Notary Public



A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, I hereunder set my hand this 11 day of October, 2016.

ASSIGNOR

Sergey Simavoryan

[Handwritten Signature]
Signature

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

On this 11th day of October, 2016, before me, Mutsuko Mikami Church, personally appeared **Sergey Simavoryan**, 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.

[Handwritten Signature]
Notary Public



A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, I hereunder set my hand this 13th day of October, 2016.

ASSIGNOR

Peng Wang

Signature [Handwritten Signature]

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

On this 13th day of October, 2016, before me, Mitsuko Mikami Church, personally appeared Peng Wang, 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.

[Handwritten Signature]
Notary Public



IN TESTIMONY WHEREOF, I hereunder set my hand this 12th day of October, 2016.

ASSIGNOR

Michiharu Yamamoto

M. Yamamoto
Signature

IN WITNESS WHEREOF, I hereunder set my hand this 12th day of October, 2016.

WITNESS

K.S. Saito
Printed Name

Kenji Saito
Signature

IN WITNESS WHEREOF, I hereunder set my hand this 12th day of October, 2016.

WITNESS

KEISAKU OKADA
Printed Name

Keisaku Okada
Signature