

Client Code: NDTCO.210A

**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> <ol style="list-style-type: none"> 1. Liping MA 2. Amame MOCHIZUKI 3. Qianxi LAI 4. Sazzadur Rahman KHAN 5. Sheng LI 6. Brett T. HARDING 7. Hyunsik CHAE 8. David T. SISK <p>Additional name(s) of conveying party(ies) attached? () Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Nitto Denko Corporation Street Address: 1-1-2 Shimohozumi City: Ibaraki, Osaka Country: Japan ZIP: 567-8680</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> <ol style="list-style-type: none"> 1. June 11, 2012 2. June 8, 2012 3. June 8, 2012 4. June 8, 2012 5. June 8, 2012 6. June 8, 2012 7. June 8, 2012 8. June 8, 2012 	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 13/166246 Filing Date: June 22, 2011</p> <p>Additional numbers attached? () Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: NDTCO.210A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40.00 (X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410 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> /Agnes Juang/ June 14, 2012 Name of Person Signing Signature Date Registration No. 55,310</p>	

Total number of pages including cover sheet, attachments and document: 10

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

Mail Stop Assignment Recordation Services
Director, U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
Facsimile Number: (571) 273-0140

PATENT 1412

700487840

REEL: 028407 FRAME: 0356

CH \$40.00 111410 13166246

Application No.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 1 of 9

ASSIGNMENT

WHEREAS, Liping Ma, a Chinese citizen, residing at San Diego, CA, Amane Mochizuki, a Japanese citizen, residing at Carlsbad, CA, Qianxi Lai, a Chinese citizen, residing at Vista, CA, Sazzadur Rahman Khan, a citizen of Bangladesh, residing at San Diego, CA, Sheng Li, a United States citizen, residing at Vista, CA, Brett T. Harding, a United States citizen, residing at Carlsbad, CA, Hyunsik Chae, a citizen of Korea, residing at San Diego, CA, and David T. Sisk, a United States citizen, residing at San Diego, CA (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to POLYPHENYLENE HOST COMPOUNDS (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, 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 and all 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.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 2 of 9

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of
June, 2012.


Liping Ma

STATE OF CALIFORNIA }

ss.

COUNTY OF San Diego }

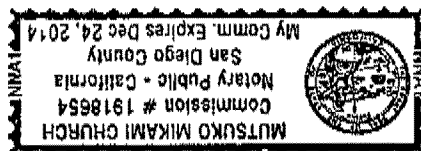
On 6/11/12, before me, Mutsuko Mikami Church Notary public,
personally appeared Liping Ma who proved to me on the basis of satisfactory evidence to be the
person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that
he/she/they executed the same in his/her/their authorized 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]

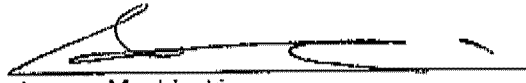

Notary Signature



Application No.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 3 of 9

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2 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.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 4 of 9

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

[Signature]
Qianxi Lai

STATE OF CALIFORNIA }

ss.

COUNTY OF San Diego }

On 6/8/12, before me, Mutsuko Mikami Church, notary public, personally appeared Qianxi Lai 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]

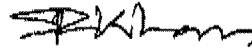
[Signature]
Notary Signature



Application No.: 13/166,248
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 5 of 9

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of
June, 2012.



Sazzadur Rahman Khan

STATE OF CALIFORNIA

ss.


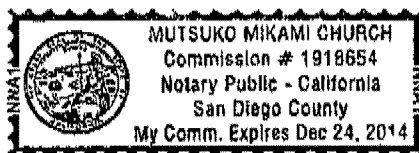
COUNTY OF San Diego

On 6/8/12, before me, Mutsuko Mikami Church notary public,
personally appeared Sazzadur Rahman Khan 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.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 6 of 9

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) is 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.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 7 of 9

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of
June, 2012.

Brett T. Harding
Brett T. Harding

STATE OF CALIFORNIA

ss.

COUNTY OF San Diego

On 6/8/12, before me, Mutsuko Mikami Church, notary public,
personally appeared Brett T. Harding 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



Application No.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 8 of 9

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of June, 2012


Hyunsik Chae

STATE OF CALIFORNIA

ss.

COUNTY OF San Diego

On 6/8/12, before me, Mutsuko Mikami Church, notary public, personally appeared Hyunsik Chae 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



Application No.: 13/166,246
Filing Date: June 22, 2011

Docket Number: NDTCO.210A
Page 9 of 9

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of June, 2012.


David T. Sisk

STATE OF CALIFORNIA

ss.


COUNTY OF San Diego

On 6/8/12, before me, Mutsuko Mikami Church, notary public, personally appeared David T. Sisk 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



13409931/ 060612