501791547 01/19/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | |
|-----------------------|---|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the name of the seventh inventor previously recorded on Reel 027433 Frame 0568. Assignor(s) hereby confirms the correct name is Hajime NAKANO. | |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Toshihiko TSUKATANI | 10/21/2008 |
| Takao MAEDA | 10/21/2008 |
| Junichi NAKAYAMA | 10/21/2008 |
| Hirofumi KAWAZOE | 10/21/2008 |
| Masaru KONYA | 10/21/2008 |
| Noriaki HAMAYA | 10/21/2008 |
| Hajime NAKANO | 10/21/2008 |

RECEIVING PARTY DATA

| Name: | Shin-Etsu Chemical Co., Ltd. | |
|-----------------|------------------------------------|--|
| Street Address: | 6-1, Otemachi 2-chome, Chiyoda-ku, | |
| City: | Tokyo | |
| State/Country: | JAPAN | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13331180 |

CORRESPONDENCE DATA

 Fax Number:
 (202)822-1111

 Phone:
 (202) 822-1100

 Email:
 patentmail@whda.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Westerman, Hattori, Daniels & Adrian LLP

Address Line 1: 1250 Connecticut Ave., NW

Address Line 2: Suite 700

Address Line 4: Washington, DISTRICT OF COLUMBIA 20036

PATENT

REEL: 027561 FRAME: 0285

JF \$40.00 15551180

501791547

| ATTORNEY DOCKET NUMBER: | 082436A |
|--|---|
| NAME OF SUBMITTER: | Bernadette K. McGann |
| Total Attachments: 5 source=082436A_Recordation_Assignment source=082436A_Recordation_Assignment source=082436A_Recordation_Assignment source=082436A_Recordation_Assignment source=082436A_Recordation_Assignment | _12232011#page2.tif _12232011#page3.tif _12232011#page4.tif |

PATENT REEL: 027561 FRAME: 0286 PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: **NEW ASSIGNMENT** NATURE OF CONVEYANCE: **ASSIGNMENT**

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Toshihiko TSUKATANI | 10/21/2008 |
| Takao MAEDA | 10/21/2008 |
| Junichi NAKAYAMA | 10/21/2008 |
| Hirofumi KAWAZOE | 10/21/2008 |
| Masaru KONYA | 10/21/2008 |
| Noriaki HAMAYA | 10/21/2008 |
| NAKANO NAKANO | 10/21/2008 |

RECEIVING PARTY DATA

| Name: | Shin-Etsu Chemical Co., Ltd. | |
|-----------------|------------------------------------|--|
| Street Address: | 6-1, Otemachi 2-chome, Chiyoda-ku, | |
| City: | Tokyo | |
| State/Country: | JAPAN | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13331180 |

CORRESPONDENCE DATA

Fax Number:

(202)822-1111

Phone:

(202) 822-1100

Email:

patentmail@whda.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name:

Westerman, Hattori, Daniels & Adrian LLP

Address Line 1:

1250 Connecticut Ave., NW

Address Line 2:

Suite 700

Address Line 4:

Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:

082436A

PATENT REEL: 027561 FRAME: 0287

| Docket No | o |
|-----------|---|
|-----------|---|

Westerman, Hattori, Daniels & Adrian, LLP

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

Shin-Etsu Chemical Co., Ltd. of 6-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

Wafer

(*If the assignment is being filed after the filing of the application, this section must be completed) for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

| * filed on | Serial No. | |
|------------|------------|--|
| | | |

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

| Toshihiko Tsunatami | Toshihiko TSUKATANI | October 21, 2008 |
|------------------------------|--------------------------|------------------|
| (Signature) | (Type Name) | (Date) |
| Takao Maeda | Takao MAEDA . | October 21, 2008 |
| (Signature) | (Type Name) | (Date) |
| Junichi Nakayama | Junichi NAKAYAMA | October 21, 2008 |
| (Signature) | (Type Name) | (Date) |
| Kirofumi Kawazol (Signature) | Hirofumi KAWAZOE | October 21, 2008 |
| (Signature) · U | (Type Name) | (Date) |
| Masaru Konya (Signature) | Masaru KONYA (Type Name) | October 21, 2008 |
| | (Type Ivame) | (Date) |
| horiaki Hamaya | Noriaki HAMAYA | October 21, 2008 |
| (Signature) | (Type Name) | (Date) |

NO LEGALIZATION REQUIRED

PATENT REEL: 027561 FRAME: 0288

| Docket | No. | |
|--------|-----|--|
| | | |

Westerman, Hattori, Daniels & Adrian, LLP

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

Shin-Etsu Chemical Co., Ltd. of 6-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

Wafer

(*If the assignment is being filed after the filing of the application, this section must be completed) for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

* filed on ______ Serial No. _____

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

| Hajme hakana | Hajime NAKANO | October 21, 2008 |
|---------------|---------------|------------------|
| √ (Signature) | (Type Name) | (Date) |
| (Signature) | (Type Name) | (Date) |
| (Signature) | (Type Name) | (Date) |
| (Signature) | (Type Name) | (Date) |
| (Signature) | (Type Name) | (Date) |
| (Signature) | (Type Name) | (Date) |

NO LEGALIZATION REQUIRED

PATENT REEL: 027561 FRAME: 0289

RECORDED: 01/19/2012