

**PATENT ASSIGNMENT**

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT   |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>  |
| Masahiko HATA   | 11/04/2011   |
| Taro ITATANI  | 11/21/2011   |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | SUMITOMO CHEMICAL COMPANY, LIMITED                               |
| <b>Street Address:</b>  | 27-1, Shinkawa 2-chome   |
| <b>City:</b>  | Chuo-ku, Tokyo   |
| <b>State/Country:</b>   | JAPAN  |
| <b>Postal Code:</b>   | 104-8260   |
| <b>Name:</b>  | National Institute of Advanced Industrial Science and Technology |
| <b>Street Address:</b>  | 3-1, Kasumigaseki 1-chome  |
| <b>City:</b>  | Chiyoda-ku, Tokyo  |
| <b>State/Country:</b>   | JAPAN  |
| <b>Postal Code:</b>   | 100-8921   |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 13310614   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (202)293-7860  |
| <b>Phone:</b>   | 202-293-7060   |
| <b>Email:</b>   | sughrue@sughrue.com  |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> |  |
| <b>Correspondent Name:</b>  | SUGHRUE MION, PLLC   |
| <b>Address Line 1:</b>  | 2100 PENNSYLVANIA AVENUE, N.W.                                   |
| <b>Address Line 2:</b>  | SUITE 800  |
| <b>Address Line 4:</b>  | WASHINGTON, DISTRICT OF COLUMBIA 20037                           |

CH \$40.00 13310614

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**PATENT**  
 REEL: 027328 FRAME: 0082

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| ATTORNEY DOCKET NUMBER:  | Q128027                                  |
| NAME OF SUBMITTER:   | Erin Harnett, New Application Specialist |
| Total Attachments: 2<br>source=ASSIGNMENT_EXECUTED_AS_FILED#page1.tif<br>source=ASSIGNMENT_EXECUTED_AS_FILED#page2.tif |  |

**ASSIGNMENT OF  
US NON PROVISIONAL APPLICATION**

Attorney Docket No. \_\_\_\_\_  
 Client Ref. S23432US01  
 JP Atty. Ref. SC-0044PCTUS

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to me as an undersigned inventor, the receipt and sufficiency of which are hereby acknowledged who at the request of, hereby sells, assigns and transfers unto:

**SUMITOMO CHEMICAL COMPANY, LIMITED**  
 27-1, Shinkawa 2-chome, Chuo-ku, Tokyo 104-8260 Japan

(hereinafter designated "ASSIGNEE") my entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

SEMICONDUCTOR WAFER, PHOTOELECTRIC CONVERSION DEVICE, METHOD OF PRODUCING SEMICONDUCTOR WAFER, AND METHOD OF PRODUCING PHOTOELECTRIC CONVERSION DEVICE

for which I executed an inventor's declaration for Patent Application of the United States of America

- (A)  even date herewith  
 (B)  in US or International Appln. No. filed on

AND I hereby authorize and request the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE (and any other assignee, if otherwise assigned), for its interest as ASSIGNEE, its successors, assigns and legal representatives; I agree that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND I hereby agree to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

I hereby authorize the US attorney of record to insert hereon any further identification necessary or desirable for recordation of this document.

| INVENTORS 発明者サイン                                | DATE SIGNED 日付      | WITNESS 発明者サインを目視した人(省略可) |
|---|---------------------|---------------------------|
| 1): <u>Masahiko Hata</u><br>Name: Masahiko HATA | <u>Nov. 4, 2011</u> | Name: _____               |
| 2): _____<br>Name: _____                        | _____               | Name: _____               |
| 3): _____<br>Name: _____                        | _____               | Name: _____               |
| 4): _____<br>Name: _____                        | _____               | Name: _____               |
| 5): _____<br>Name: _____                        | _____               | Name: _____               |
| 6): _____<br>Name: _____                        | _____               | Name: _____               |
| 7): _____<br>Name: _____                        | _____               | Name: _____               |
| 8): _____<br>Name: _____                        | _____               | Name: _____               |
| 9): _____<br>Name: _____                        | _____               | Name: _____               |
| 10): _____<br>Name: _____                       | _____               | Name: _____               |
| 11): _____<br>Name: _____                       | _____               | Name: _____               |
| 12): _____<br>Name: _____                       | _____               | Name: _____               |

**ASSIGNMENT OF  
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Attorney Docket No. \_\_\_\_\_  
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**National Institute of Advanced Industrial Science and Technology  
 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 JAPAN**

(hereinafter designated "ASSIGNEE") my entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

SEMICONDUCTOR WAFER, PHOTOELECTRIC CONVERSION DEVICE, METHOD OF PRODUCING SEMICONDUCTOR WAFER, AND METHOD OF PRODUCING PHOTOELECTRIC CONVERSION DEVICE

for which I executed an inventor's declaration for Patent Application of the United States of America

- (A)  even date herewith  
 (B)  in US or International Appln. No. filed on

AND I hereby authorize and request the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE (and any other assignee, if otherwise assigned), for its interest as ASSIGNEE, its successors, assigns and legal representatives; I agree that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND I hereby agree to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

I hereby authorize the US attorney of record to insert hereon any further identification necessary or desirable for recordation of this document.

| INVENTORS 発明者サイン                              | DATE SIGNED 日付       | WITNESS 発明者サインを目視した人(省略可) |
|---|----------------------|---------------------------|
| 1): <u>Taro Itatani</u><br>Name: Taro ITATANI | <u>Nov 1st, 2011</u> | Name: _____               |
| 2): _____<br>Name: _____                      | _____                | Name: _____               |
| 3): _____<br>Name: _____                      | _____                | Name: _____               |
| 4): _____<br>Name: _____                      | _____                | Name: _____               |
| 5): _____<br>Name: _____                      | _____                | Name: _____               |
| 6): _____<br>Name: _____                      | _____                | Name: _____               |
| 7): _____<br>Name: _____                      | _____                | Name: _____               |
| 8): _____<br>Name: _____                      | _____                | Name: _____               |
| 9): _____<br>Name: _____                      | _____                | Name: _____               |
| 10): _____<br>Name: _____                     | _____                | Name: _____               |
| 11): _____<br>Name: _____                     | _____                | Name: _____               |
| 12): _____<br>Name: _____                     | _____                | Name: _____               |

**PATENT**