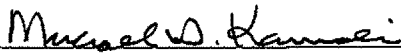


|  |  |  |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
|--|--|--|--|--|--|--|--|-------------|--|-----------------|-------------------|---------------------------|--|----------------|----------------------|--|----------------------------|
| FORM PTO-1595 (modified)<br>(Rev 6-93)   |  | <b>RECORDATION FORM COVER SHEET</b><br><b>PATENTS ONLY</b>                           |  | U.S. DEPARTMENT OF COMMERCE<br>Patent and Trademark Office |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.   |  |  |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| 1. Name of conveying party(ies):<br><br><b>Motoshi ONO</b><br><b>Akio KOIKE</b><br><br>Additional conveying party(ies) <b>NO</b>   |  |  | 2. Name and address of receiving party(ies):<br><br><b>ASAHI GLASS COMPANY, LIMITED</b><br><b>12-1, Yurakucho 1-chome</b><br><b>Chiyoda-ku, Tokyo 100-8405 Japan</b><br><br>Additional name(s) & address(es) attached? <b>NO</b>   |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| 3. Nature of conveyance:<br><b>ASSIGNMENT</b><br>Execution Date:<br><b>May 11 &amp; 13, 2011</b>   |  |  | Additional name(s) & address(es) attached? <b>NO</b>   |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| 4. Application number(s) or patent number(s):<br><br>If this is being filed together with a new application, the execution date of the application is:<br><br><table style="width: 100%;"> <tr> <td style="width: 50%; padding: 5px;">           A. Patent Application Number(s):<br/><br/>           13/172,638         </td> <td style="width: 50%; padding: 5px;">           B. Patent Number(s):<br/><br/>           Additional numbers attached? <b>NO</b> </td> </tr> </table> |  |  |  |  |  | A. Patent Application Number(s):<br><br>13/172,638 | B. Patent Number(s):<br><br>Additional numbers attached? <b>NO</b> |             |  |                 |                   |                           |  |                |                      |  |                            |
| A. Patent Application Number(s):<br><br>13/172,638   | B. Patent Number(s):<br><br>Additional numbers attached? <b>NO</b> |  |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| 5. Name and address of party to whom correspondence concerning document should be mailed:<br><br><b>Michael D. Kaminski</b><br><b>FOLEY &amp; LARDNER LLP</b><br><b>3000 K Street, N.W.</b><br><b>Suite 600</b><br><b>Washington, D.C. 20007-5143</b>  |  |  | 6. Total number of applications/patents involved: <b>1</b><br><br>7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b><br><br><input checked="" type="checkbox"/> Check Enclosed<br><input type="checkbox"/> Authorized to be charged to credit card<br><input type="checkbox"/> Authorized to be charged to deposit account<br><br>8. Payment Information<br><table style="width: 100%;"> <tr> <td style="width: 30%;">a. Credit Card</td> <td style="width: 30%;">Last 4 Numbers</td> <td style="width: 40%;"><b>8625</b></td> </tr> <tr> <td></td> <td>Expiration Date</td> <td><b>11/30/2011</b></td> </tr> <tr> <td>b. Deposit account number</td> <td></td> <td><b>19-0741</b></td> </tr> <tr> <td>Authorized User Name</td> <td></td> <td><b>Michael D. Kaminski</b></td> </tr> </table> |  |  | a. Credit Card                                     | Last 4 Numbers   | <b>8625</b> |  | Expiration Date | <b>11/30/2011</b> | b. Deposit account number |  | <b>19-0741</b> | Authorized User Name |  | <b>Michael D. Kaminski</b> |
| a. Credit Card   | Last 4 Numbers   | <b>8625</b>  |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
|  | Expiration Date  | <b>11/30/2011</b>  |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| b. Deposit account number  |  | <b>19-0741</b>   |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| Authorized User Name   |  | <b>Michael D. Kaminski</b>   |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
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| 9. Statement and signature:<br><i>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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.</i>   |  |  |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| <b>Michael D. Kaminski</b>   |  |  |  | <b>JUN 30 2011</b>   |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| Name of person signing   |  | Signature  |  | Date   |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |
| Total number of pages including cover sheet, attachments, and document: 3  |  |  |  |  |  |  |  |             |  |                 |                   |                           |  |                |                      |  |                            |

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AC-645-US-1  
(F20090240US00)

## Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF THE  
INVENTORS:

WHEREAS, I (WE) Motoshi Ono of Chiyoda-ku, Tokyo, Japan and  
Akio Koike of Chiyoda-ku, Tokyo, Japan

INSERT TITLE OF  
INVENTION:

\_\_\_\_\_, respectively,  
have invented certain new and useful improvements in: GLASS SUBSTRATE FOR  
SEMICONDUCTOR DEVICE COMPONENT AND PROCESS FOR PRODUCING GLASS  
SUBSTRATE FOR SEMICONDUCTOR DEVICE COMPONENT  
(Application No. 13/172,638, filed June 29, 2011), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:

WHEREAS, Asahi Glass Company, Limited  
(hereinafter referred to as "ASSIGNEE") having a place of business at: 12-1, Yurakucho 1-chome,  
Chiyoda-ku, TOKYO 100-8405, JAPAN is desirous of acquiring the entire right, title and interest  
in and to said invention and in and to any Letters Patent that may be granted therefore in the United  
States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt  
whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these  
presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said  
invention in the United States and its territorial possessions and in all foreign countries and the entire  
right, title and interest in and to any and all Letters Patent which may be granted therefore in the  
United States and its territorial possessions and in any and all foreign countries and in and to any and  
all divisions, reissues, continuations, substitutions and renewals thereof.

I (we) hereby authorize and request the Patent Office Officials in the United States and its  
territorial possessions and any and all foreign countries to issue any and all of said Letters Patent,  
when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to  
the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full  
end of the term for which said Letters Patent may be granted, as fully and entirely as the same would  
have been held by me (us) had this Assignment and sale not been made.

Further, I (we) agree that I (we) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I (we) understand and agree that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent me (us) or my (our) legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to me (us) with respect to this Assignment, I (we) acknowledges the right to seek its own independent legal counsel.

The undersigned hereby grant(s) the firm of Foley & Lardner LLP of 3000 K Street, NW, Suite 600, Washington, D.C. 20007 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 11/05/2011 Motoshi Ono  
(Signature of Inventor) Motoshi Ono

Date: May 17, 2011 Akio Koike  
(Signature of Inventor) Akio Koike

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

**FOLEY & LARDNER LLP**  
3000 K Street, NW, Suite 600  
Washington, D.C. 20007