# PATENT ASSIGNMENT

**Electronic Version v1.1**  
**Stylesheet Version v1.1**

## SUBMISSION TYPE:
- NEW ASSIGNMENT

## NATURE OF CONVEYANCE:
- ASSIGNMENT

### CONVEYING PARTY DATA

<table>
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<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hirokazu TAKAGI</td>
<td>05/24/2011</td>
</tr>
<tr>
<td>Hidekazu OKAMOTO</td>
<td>05/25/2011</td>
</tr>
<tr>
<td>Satoshi KAWAGUCHI</td>
<td>05/24/2011</td>
</tr>
<tr>
<td>Yu TAKEUCHI</td>
<td>06/03/2011</td>
</tr>
<tr>
<td>Kunio WATANABE</td>
<td>05/25/2011</td>
</tr>
<tr>
<td>Koichi YANASE</td>
<td>05/24/2011</td>
</tr>
<tr>
<td>Shingo NOMURA</td>
<td>05/25/2011</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

- **Name:** ASahi Glass Company, Limited  
- **Street Address:** 12-1, Yurakucho 1-chome, Chiyoda-ku  
- **City:** Tokyo  
- **State/Country:** Japan  
- **Postal Code:** 100-8405

## PROPERTY NUMBERS Total: 1

<table>
<thead>
<tr>
<th>Property Type</th>
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<tbody>
<tr>
<td>Application Number</td>
<td>13167145</td>
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### CORRESPONDENCE DATA

- **Fax Number:** (703)413-2220  
- **Phone:** (703) 413-3000  
- **Email:** ldriver@oblon.com  
- **Correspondent Name:** Oblon, Spivak, et al.  
- **Address Line 1:** 1940 Duke Street  
- **Address Line 4:** Alexandria, VIRGINIA 22314

### ATTORNEY DOCKET NUMBER:
- 380192US
<table>
<thead>
<tr>
<th>NAME OF SUBMITTER:</th>
<th>Leslie Driver</th>
</tr>
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Total Attachments: 3
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source=380192USASSIGNMENT#page3.tif
Assignment of Application

WHEREAS, I (WE) Hirokazu Takagi of Chiyoda-ku, Tokyo, Japan,
Hidekazu Okamoto of Chiyoda-ku, Tokyo, Japan,
Satoshi Kawaguchi of Chiyoda-ku, Tokyo, Japan,
Yu Takeuchi of Chiyoda-ku, Tokyo, Japan,
Kunio Watanabe of Chiyoda-ku, Tokyo, Japan,
Koichi Yanase of Chiyoda-ku, Tokyo, Japan and
Shingo Nomura of Chiyoda-ku, Tokyo, Japan

have invented certain new and useful improvements in: PROCESS FOR PRODUCING 2,3,3,3-
TETRAFLUOROPROPENE

(Application No. 13/167,145, filed June 23, 2011), and

WHEREAS, Asahi Glass Company, Limited

(hereinafter referred to as "ASSIGNEE") having a place of business at: 12-1, Yurakuchō 1-chōme, 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 therefor 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 behalf of said ASSIGNEE,
it (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.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 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: May 24, 2011
(Signature of Inventor) Hirokazu Takagi

Date: May 25, 2011
(Signature of Inventor) Hidekazu Okamoto

Date: May 24, 2011
(Signature of Inventor) Satoshi Kawaguchi

Date: June 3, 2011
(Signature of Inventor) Yu Takeuchi

Date: May 25, 2011
(Signature of Inventor) Kunio Watanabe

Date: May 24, 2011
(Signature of Inventor) Koichi Yanase

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314
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.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 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: May 15, 2011

(Signature of Inventor) Shingo Nomura

Date: ____________________________

(Signature of Inventor)

Date: ____________________________

(Signature of Inventor)

Date: ____________________________

(Signature of Inventor)

Date: ____________________________

(Signature of Inventor)

Date: ____________________________

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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