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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Yukio SHIBANO (01/04/2005), Daisuke KUSABIRAKI (01/04/2005), Shuhei UEDA (01/04/2005), and Atsushi WATABE (01/04/2005)

Execution Date(s): in parentheses after inventor name

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Shin-Etsu Chemical Co., Ltd.

Internal Address:

Street Address:

6-1, Otemachi 2-chome, Chiyoda-ku
Tokyo
JAPAN

City:

State:

Country:

Zip:

Additional name(s) & address(es) attached? Yes No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other
- Merger
- Change of Name

4. Application or patent number(s):

A. Patent Application No.(s)
NEW

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Gerald M. Murphy, Jr.
BIRCH, STEWART, KOLASCH & BIRCH, LLP

Internal Address: Atty. Dkt.: 0171-1180PUS1

Street Address: 8110 Gatehouse Rd
Suite 100 East
P.O. Box 747

City: Falls Church

State: VA Zip: 22040-0747

Phone Number: (703) 205-8000

Fax Number: (703) 205-8050

Email Address: mailroom@bskb.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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- Enclosed
- None required (government interest not affecting title)

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9. Signature:

Signature

February 17, 2005

Date

Gerald M. Murphy, Jr. - 28,977

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

GMM/smt

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ATTORNEY DOCKET NO.
0171-1180PUS1

ASSIGNMENT

Application No. NEW

Filed 02-17-05

Insert Name(s)
of Inventor(s)

WHEREAS, Yukio SHIBANO, Daisuke KUSABIRAKI, Shuhei UEDA and
Atsushi WATABE of
Joetsu-shi, Niigata-ken, Japan, Joetsu-shi, Niigata-ken, Japan,
Joetsu-shi, Niigata-ken, Japan and Joetsu-shi, Niigata-ken, Japan

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____
Method for Preparing Large-Size Substrate

Insert Date
of Signing of
Application

for which an application for Letters Patent of the United States of America has been executed by the undersigned
(except in the case of a provisional application).
on January 4, 2005; and

Insert Name
of Assignee

WHEREAS, Shin-Etsu Chemical Co., Ltd.

Insert Address
of Assignee

of 6-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan

CHECK BOX
IF APPROPRIATE

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of
acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that
may be granted therefor in the United States of America and
 in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand
paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned
has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said
Assignee the full and exclusive right to the said invention in the United States of America, its territories,
dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s)
which may be granted therefor in the United States of America, its territories, dependencies and possessions,
and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or
terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) 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.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>Jan. 4, 2005</u> ,	Name of Inventor <u>Yukio Shibano</u> (signature) Yukio SHIBANO
Date <u>Jan. 4, 2005</u> ,	Name of Inventor <u>Daisuke Kusabiraki</u> (signature) Daisuke KUSABIRAKI
Date <u>Jan. 4, 2005</u> ,	Name of Inventor <u>Shuhei Ueda</u> (signature) Shuhei UEDA
Date <u>Jan. 4, 2005</u> ,	Name of Inventor <u>Atsushi Watabe</u> (signature) Atsushi WATABE
Date _____,	Name of Inventor _____ (signature)
Date _____,	Name of Inventor _____ (signature)