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OMB No. 0651-0027 (exp. 6/30/2005)

RECORDATION FORM COVER SHEET  
PATENTS ONLY

103551312

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):  
YOSHIHIRO KUBOTA (02/05/2009), MAKOTO  
KAWAI (02/05/2009), KOUICHI TANAKA  
(02/05/2009), YUJI TOBISAKA (02/05/2009),

Execution Date(s): in parentheses after inventor name

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

3. Nature of Conveyance:

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

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

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

This application

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kelly Y. Hwang  
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6. Total number of applications and patents involved:

1

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

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 12-1095  
Authorized User Name Kelly Y. Hwang

9. Signature:

Signature

February 24, 2009

Date

Kelly Y. Hwang - 51,831

Name of Person Signing

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

4

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PATENT  
REEL: 022367 FRAME: 0473

## ASSIGNMENT

WHEREAS: Yoshihiro KUBOTA, Makoto KAWAI, Kouichi TANAKA, Yuji TOBISAKA, Shoji AKIYAMA and Yoshihiro NOJIMA of c/o Advanced Functional Materials Research Center, SHIN-ETSU CHEMICAL CO., LTD., 13-1, Isobe 2-chome, Annaka-shi, Gunma-ken, JAPAN (same for all of the inventors) (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled: METHOD FOR PREPARING SUBSTRATE HAVING MONOCRYSTALLINE FILM

for which application for United States Letters Patent identified as \_\_\_\_\_  
\_\_\_\_\_ has been executed on the \_\_\_\_\_ day of \_\_\_\_\_, 2009, and,

WHEREAS: SHIN-ETSU CHEMICAL CO., LTD., a corporation duly organized under and pursuant to the laws of JAPAN and having its principal place of business at 6-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, JAPAN (hereinafter referred to as "ASSIGNEE"), has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to this invention, including any and all United States Letters Patent or similar legal protection to be obtained therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, and transfers to said ASSIGNEE, its successors and assigns, all right, title and interest in and to said invention, including any and all United States Letters Patent which may be granted therefor and any and all extensions, continuations, divisions, renewals, substitutes or reissues thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement of encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants and agrees, upon request, to execute any instrument which said ASSIGNEE desires to carry this assignment in effect, and perfect the title transferred hereby, or to file or prosecute any of the above-mentioned United States applications.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to said ASSIGNEE.

ASSIGNOR:

Yoshihiro Kubota  
Yoshihiro KUBOTA

Makoto Kawai  
Makoto KAWAI

Kouichi Tanaka  
Kouichi TANAKA

Yuji Tobisaka  
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PATENT