

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takeru WATANABE</td> <td>04/20/2010</td> </tr> <tr> <td>Masashi IIO</td> <td>04/20/2010</td> </tr> <tr> <td>Kazuhiro KATAYAMA</td> <td>04/20/2010</td> </tr> <tr> <td>Jun HATAKEYAMA</td> <td>04/20/2010</td> </tr> <tr> <td>Tsunehiro NISHI</td> <td>04/20/2010</td> </tr> <tr> <td>Takeshi KINSHO</td> <td>04/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	Takeru WATANABE	04/20/2010	Masashi IIO	04/20/2010	Kazuhiro KATAYAMA	04/20/2010	Jun HATAKEYAMA	04/20/2010	Tsunehiro NISHI	04/20/2010	Takeshi KINSHO	04/20/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Shin-Etsu Chemical Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>6-1, Otemachi 2-chome, Chiyoda-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Shin-Etsu Chemical Co., Ltd.	Street Address:	6-1, Otemachi 2-chome, Chiyoda-ku,	City:	Tokyo	State/Country:	JAPAN						
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CORRESPONDENCE DATA															
Fax Number: (202)822-1111 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 2028221100 Email: PatentMail@Whdapatentlaw.com Correspondent Name: Westerman, Hattori, Daniels & Adrian LLP Address Line 1: 1250 Connecticut Avenue NW, Address Line 2: Suite 700 Address Line 4: Washington,, DISTRICT OF COLUMBIA 20036															
ATTORNEY DOCKET NUMBER:	100737														
NAME OF SUBMITTER:	Sadao Kinashi														

OP \$40.00 12786759

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PATENT
REEL: 024451 FRAME: 0236

Total Attachments: 1

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's
Name(s) Address(es))

Shin-Etsu Chemical Co., Ltd. of
6-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned
ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title
and interest to the invention entitled

(Title of Invention)

Resist-Modifying Composition and Pattern Forming Process

(*If the assignment is
being filed after the
filing of the
application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith
unless otherwise indicated below:

* filed on _____ Serial No. _____

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial
number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any
continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for
which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any
continuation, divisional, reissue or reexamination applications thereof and also to execute separate
assignments in connection with such applications as the ASSIGNEE may deem necessary or
expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference,
litigation, or other legal proceeding which may be declared concerning this application or any
continuation, divisional, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

<u>Takeru Watanabe</u> (Signature)	<u>Takeru WATANABE</u> (Type Name)	<u>April 20, 2010</u> (Date)
<u>Masashi Iio</u> (Signature)	<u>Masashi IIO</u> (Type Name)	<u>April 20, 2010</u> (Date)
<u>Kazuhiro Katayama</u> (Signature)	<u>Kazuhiro KATAYAMA</u> (Type Name)	<u>April 20, 2010</u> (Date)
<u>Jun Hatakeyama</u> (Signature)	<u>Jun HATAKEYAMA</u> (Type Name)	<u>April 20, 2010</u> (Date)
<u>Tsunehiro Nishi</u> (Signature)	<u>Tsunehiro NISHI</u> (Type Name)	<u>April 20, 2010</u> (Date)
<u>Takeshi Kinsho</u> (Signature)	<u>Takeshi KINSHO</u> (Type Name)	<u>April 20, 2010</u> (Date)

NO LEGALIZATION REQUIRED

PATENT

RECORDED: 05/27/2010

REEL: 024451 FRAME: 0238