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1. Name of conveying party(ies): Mikio WATANABE Tadashi AMANO Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies): Name: Shin-Etsu Chemical Co., Ltd. Address: 6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan Additional name(s) and address(es) attached? Yes No

3. Nature of Conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: August 18, 2004

4. Application number(s) or patent number(s): This document is being filed together with a new application A. Patent Application No.(s) 10/933,294 B. Patent No.(s) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Customer Number 22850 Tel. (703) 413-3000 Fax. (703) 413-2220

6. Total applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature 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. Name of Person Signing Roland E. Martin Signature Date 11/30/04 Registration Number: Roland E. Martin Registration No. 48,082 Total number of pages including this cover sheet: 3

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PATENT REEL: 016030 FRAME: 0209

Assignment of Application

WHEREAS, I(WE) Mikio WATANABE and Tadashi AMANO

INVENTOR NAMES AND RESIDENCE ADDRESS OF INVENTORS

of c/o Enbi-Kobunshi Zairyo Kenkyusho, Shin-Etsu Chemical Co., Ltd.,
1, Toowada, Ooaza, Kamisu-machi, Kashima-gun, Ibaraki-ken, JAPAN and
c/o Enbi-Kobunshi Zairyo Kenkyusho, Shin-Etsu Chemical Co., Ltd.,
1, Toowada, Ooaza, Kamisu-machi, Kashima-gun, Ibaraki-ken, JAPAN

_____, respectively,
have invented certain new and useful improvements in: POLYMER SCALE PREVENTIVE AGENT

INVENTOR TITLE

for which an application for Letters Patent was executed on August 18, 2004

INVENTOR DATE SIGNED

(Application No. 10/933,294, filed September 3, 2004), and

INVENTOR NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

WHEREAS, Shin-Etsu Chemical Co., Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 6-1, Ohtemachi 2-chome,
Chiyoda-ku, Tokyo, 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 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.

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: August 18, 2004

Mikio Watanabe
(Signature of Inventor) Mikio WATANABE

Date: August 18, 2004

Tadashi Amano
(Signature of Inventor) Tadashi AMANO

Date: _____

(Signature of Inventor)

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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1940 DUKE STREET
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03/03