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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Takeshi KINSHO; Tsunehiro NISHI; Hideshi KURIHARA; Koji HASEGAWA; Takeru WATANABE; Osamu WATANABE; Mutsuo NAKASHIMA; Takanobu TAKEDA & Jun HATAKEYAMA <input checked="" type="checkbox"/> No additional names attached		2. Name and address of receiving party(ies): Shin-Etsu Chemical Co., Ltd. Tokyo, Japan <input checked="" type="checkbox"/> No additional names(s) or address(es) attached	
3. Nature of Conveyance: <input checked="" type="checkbox"/> assignment <input type="checkbox"/> merger <input type="checkbox"/> security agreement <input type="checkbox"/> change of name <input type="checkbox"/> other			
EXECUTION DATE: October 15, 1999			
4. Application number(s) or patent number(s): THIS DOCUMENT IS NOT BEING FILED WITH A NEW APPLICATION.			
A. Patent Application Number(s) 09/431,139		B. Patent Number(s)	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. Address: Arlington Court Plaza I Suite 1400 2200 Clarendon BLVD. Arlington, VA 22201		6. Total number of applications and patents involved: 1 7. Total fee (37CFR 3.41) \$40.00 <input checked="" type="checkbox"/> Check enclosed <input checked="" type="checkbox"/> Charge any deficiencies in the payment of fees associated with this communication or credit any overpayment to 8. DEPOSIT ACCOUNT NO. 13-3402	
DO NOT USE THIS SPACE			

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.

Tracy A. Luke
Legal Assistant for Applicant(s)

Signature

November 24, 1999
Date

- ◆ Total number of pages including cover sheet, attachments and documents: 2
- ◆ Attorney Docket # KOJIM-294

40.00 UP
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11/30/1999 INQUIRY
01 FC:581

ASSIGNMENT

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

Novel Ester Compounds, Polymers, Resist Compositions
and Patterning Process

- ☐ for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
- ☒ for which U.S. Application Serial No. 09/431,139 for Letters Patent was filed in the U.S. Patent and Trademark Office on November 1, 1999.
- ☐ for which an International Application was filed on _____ PCT/ _____ / _____ designating the United States.

AND WHEREAS

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

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. 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 United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
	Takeshi KINSHO	<i>Takeshi Kinsho</i>	October 15, 1999
202	FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Tsunehiro NISHI	<i>Tsunehiro Nishi</i>	October 15, 1999
203	FULL NAME OF THIRD JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Hideshi KURIHARA	<i>Hideshi Kurihara</i>	October 15, 1999
204	FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Koji HASEGAWA	<i>Koji Hasegawa</i>	October 15, 1999
205	FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Takeru WATANABE	<i>Takeru Watanabe</i>	October 15, 1999
206	FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Osamu WATANABE	<i>Osamu Watanabe</i>	October 15, 1999
207	FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Mutsuo NAKASHIMA	<i>Mutsuo Nakashima</i>	October 15, 1999
208	FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Takanobu TAKEDA	<i>Takanobu Takeda</i>	October 15, 1999
209	FULL NAME OF NINTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	Jun HATAKEYAMA	<i>Jun Hatakeyama</i>	October 15, 1999
210	FULL NAME OF TENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
211	FULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
212	FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE

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