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To the Director of the United States Patent, ached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Takeshi KUSUDOU; Atsushi JIKIHARA; Naoki FUJIWARA Name: KURARAY CO., LTD. Address: 1621, Sakazu, Kurashiki-City Okayama-Pref., Japan Additional name(s) of conveying party(ies) attached? ☐ Yes ■ No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: June 26, 2003 Additional name(s) and address(es) attached?

Yes No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: July 11, 2003 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) 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. Stefan U. Koschmieder, Ph.D. Name of Person Signing Registration Number: 50,238 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313 07/15/2003 DTESSEM1 00000001 10616982

> **PATENT** REEL: 014279 FRAME: 0390

| INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS: | WHEREAS, I (WE) Takeshi KUSUDOU, c/o K | uraray Co. Ltd., | |
|--|--|-----------------------|--|
| | 1621, Sakazu, Kurashiki-City, Okayama-Pr | | |
| | Atsushi JIKIHARA, c/o Kuraray Co. Ltd., | | |
| | 1621, Sakazu, Kurashiki-City, Okayama-Pref., JAPAN; | | |
| | Naoki FUJIWARA, c/o Kuraray Co. Ltd., | | |
| | 1621, Sakazu, Kurashiki City, Okayama-Pref., JAPAN; | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | , respectively, | |
| INSERT TITLE OF INVENTION: | have invented certain new and useful improvements in: | VINYL ALCOHOL POLYMER | |
| | AND PROCESS FOR PRODUCING VINYL ALCOHOL POLYMER | | |
| INSERT DATE IN- VENTORS SIGNED DECLARATION: | for which an application for Letters Patent was executed on . | June 26, 2003 | |
| | (Application No, filed |), and | |
| INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE: | WHEREAS, KURARAY CO., LTD. | | |
| | (hereinafter referred to as "ASSIGNEE") having a place of business at: 1621, Sakazu, | | |
| | Kurashiki-City, Okayama-Pref., 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.

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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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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:_ | June 26, 2003 | Jakeshi Kusudon (Signature of Inventor) Takeshi KUSUDOU |
|--------|---------------|---|
| Date: | June 26, 2003 | Atsushi Jikikara (Signature of Inventor) Atsushi JIKIHARA |
| Date: | June 26, 2003 | Macki Tyjiwana (Signature of Inventor) Nagki FUJIWARA |
| Date:_ | | (Signature of Inventor) |
| Date: | | |
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